

|  | <b>Universitas Negeri Surabaya</b><br><b>Fakultas Kedokteran</b><br><b>Program Studi S1 Keperawatan</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                         |       |           | Kode Dokumen              |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------|-----------|---------------------------|-----------------|------|-------|-------|-------|--------|--------|---|--|--|--|--------|---|--|--|--|--------|--|---|--|--|--------|---|---|---|--|--------|--|--|---|--|--------|--|--|--|---|
|                                                                                   | <b>RENCANA PEMBELAJARAN SEMESTER</b>                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                         |       |           |                           |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
| MATA KULIAH (MK)                                                                  | KODE                                                                                                    | Rumpun MK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | BOBOT (sks)                             |       |           | SEMESTER                  | Tgl Penyusunan  |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
| Ilmu Biomedik Dasar                                                               | 1420604003                                                                                              | Mata Kuliah Wajib Program Studi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | T=3                                     | P=1   | ECTS=6.36 | 1                         | 18 Agustus 2025 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
| OTORISASI                                                                         | Pengembang RPS                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Koordinator RMK                         |       |           | Koordinator Program Studi |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
|                                                                                   | Siska Christianingsih, S.Kep.,Ns.,M.Kep                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Siska Christianingsih, S.Kep.,Ns.,M.Kep |       |           | WIWIN SULISTYAWATI        |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
| Model Pembelajaran                                                                | Project Based Learning                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                         |       |           |                           |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
| Capaian Pembelajaran (CP)                                                         | CPL-PRODI yang dibebankan pada MK                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                         |       |           |                           |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
|                                                                                   | CPL-3                                                                                                   | Mengembangkan pemikiran logis, kritis, sistematis, dan kreatif dalam melakukan pekerjaan yang spesifik di bidang keahliannya serta sesuai dengan standar kompetensi kerja bidang yang bersangkutan                                                                                                                                                                                                                                                                                                                                                                            |                                         |       |           |                           |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
|                                                                                   | CPL-4                                                                                                   | Mengembangkan diri secara berkelanjutan dan berkolaborasi.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                         |       |           |                           |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
|                                                                                   | CPL-8                                                                                                   | Mampu menjalankan pekerjaan profesinya berdasarkan pemikiran logis, kritis, sistematis dan kreatif, inovatif serta bekerja sama dan memiliki kepekaan sosial serta bertanggungjawab secara ilmiah kepada masyarakat profesi dan pasien                                                                                                                                                                                                                                                                                                                                        |                                         |       |           |                           |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
|                                                                                   | CPL-11                                                                                                  | Mampu merencanakan dan mengaplikasikan strategi edukasi kesehatan dengan teknik komunikasi efektif sebagai bagian dari upaya pencegahan primer, sekunder dan tertier                                                                                                                                                                                                                                                                                                                                                                                                          |                                         |       |           |                           |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
|                                                                                   | Capaian Pembelajaran Mata Kuliah (CPMK)                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                         |       |           |                           |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
|                                                                                   | CPMK - 1                                                                                                | Mampu menerapkan konsep biologi sel dan genetika sebagai suatu pendekatan dalam menyelesaikan masalah keperawatan                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                         |       |           |                           |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
|                                                                                   | CPMK - 2                                                                                                | Mampu menerapkan prinsip-prinsip fisika (biomekanik dan biolistrik) sebagai suatu pendekatan dalam menyelesaikan masalah keperawatan                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                         |       |           |                           |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
|                                                                                   | CPMK - 3                                                                                                | Mampu menganalisis masalah keperawatan dengan menggunakan prinsip-prinsip biokimia dan gizi sebagai bagian pendekatan holistik keperawatan                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                         |       |           |                           |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
|                                                                                   | CPMK - 4                                                                                                | Mampu menjelaskan konsep-konsep anatomi dan fisiologi manusia sebagai suatu pendekatan dalam menyelesaikan masalah keperawatan                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         |       |           |                           |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
|                                                                                   | CPMK - 5                                                                                                | Mampu menjelaskan mekanisme fisiologi tubuh manusia dalam berbagai aktifitas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                         |       |           |                           |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
|                                                                                   | CPMK - 6                                                                                                | Mampu menjelaskan mekanisme fisiologi tubuh manusia dalam mempertahankan homeostasis tubuh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                         |       |           |                           |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
|                                                                                   | Matrik CPL - CPMK                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                         |       |           |                           |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
|                                                                                   |                                                                                                         | <table border="1"> <thead> <tr> <th>CPMK</th> <th>CPL-3</th> <th>CPL-4</th> <th>CPL-8</th> <th>CPL-11</th> </tr> </thead> <tbody> <tr> <td>CPMK-1</td> <td>✓</td> <td></td> <td></td> <td></td> </tr> <tr> <td>CPMK-2</td> <td>✓</td> <td></td> <td></td> <td></td> </tr> <tr> <td>CPMK-3</td> <td></td> <td>✓</td> <td></td> <td></td> </tr> <tr> <td>CPMK-4</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> </tr> <tr> <td>CPMK-5</td> <td></td> <td></td> <td>✓</td> <td></td> </tr> <tr> <td>CPMK-6</td> <td></td> <td></td> <td></td> <td>✓</td> </tr> </tbody> </table> |                                         |       |           |                           |                 | CPMK | CPL-3 | CPL-4 | CPL-8 | CPL-11 | CPMK-1 | ✓ |  |  |  | CPMK-2 | ✓ |  |  |  | CPMK-3 |  | ✓ |  |  | CPMK-4 | ✓ | ✓ | ✓ |  | CPMK-5 |  |  | ✓ |  | CPMK-6 |  |  |  | ✓ |
|                                                                                   | CPMK                                                                                                    | CPL-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CPL-4                                   | CPL-8 | CPL-11    |                           |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
|                                                                                   | CPMK-1                                                                                                  | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                         |       |           |                           |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
|                                                                                   | CPMK-2                                                                                                  | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                         |       |           |                           |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
| CPMK-3                                                                            |                                                                                                         | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                         |       |           |                           |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
| CPMK-4                                                                            | ✓                                                                                                       | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ✓                                       |       |           |                           |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
| CPMK-5                                                                            |                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ✓                                       |       |           |                           |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
| CPMK-6                                                                            |                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                         | ✓     |           |                           |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |
| Matrik CPMK pada Kemampuan akhir tiap tahapan belajar (Sub-CPMK)                  |                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                         |       |           |                           |                 |      |       |       |       |        |        |   |  |  |  |        |   |  |  |  |        |  |   |  |  |        |   |   |   |  |        |  |  |   |  |        |  |  |  |   |

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                                                                  |                 |                                 |                     |   |   |    |    |    |    |    |    |    |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |   |  |  |  |  |  |  |  |  |        |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |   |   |  |   |   |   |   |  |  |  |   |        |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------|-----------------|---------------------------------|---------------------|---|---|----|----|----|----|----|----|----|--|--|--|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|--------|---|---|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--------|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--------|--|--|--|---|---|--|--|--|--|--|--|--|--|--|--|--|--------|--|--|--|--|--|---|---|--|---|---|---|---|--|--|--|---|--------|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|--|
|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <table><tr><td rowspan="2">CPMK</td><td colspan="16">Minggu Ke</td></tr><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr><tr><td>CPMK-1</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td><td></td><td>✓</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>CPMK-2</td><td></td><td></td><td>✓</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>CPMK-3</td><td></td><td></td><td></td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>CPMK-4</td><td></td><td></td><td></td><td></td><td></td><td>✓</td><td>✓</td><td></td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td>✓</td></tr><tr><td>CPMK-5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>✓</td><td></td><td></td><td></td></tr><tr><td>CPMK-6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>✓</td><td>✓</td><td></td></tr></table> | CPMK              | Minggu Ke                                                                        |                 |                                 |                     |   |   |    |    |    |    |    |    |    |  |  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | CPMK-1 | ✓ | ✓ |  |  |  |  |  | ✓ |  |  |  |  |  |  |  |  | CPMK-2 |  |  | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  | CPMK-3 |  |  |  | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  | CPMK-4 |  |  |  |  |  | ✓ | ✓ |  | ✓ | ✓ | ✓ | ✓ |  |  |  | ✓ | CPMK-5 |  |  |  |  |  |  |  |  |  |  |  |  | ✓ |  |  |  | CPMK-6 |  |  |  |  |  |  |  |  |  |  |  |  |  | ✓ | ✓ |  |
| CPMK                 | Minggu Ke                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                                                                  |                 |                                 |                     |   |   |    |    |    |    |    |    |    |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |   |  |  |  |  |  |  |  |  |        |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |   |   |  |   |   |   |   |  |  |  |   |        |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |
|                      | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3                 | 4                                                                                | 5               | 6                               | 7                   | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |   |  |  |  |  |  |  |  |  |        |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |   |   |  |   |   |   |   |  |  |  |   |        |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |
| CPMK-1               | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                                                                                  |                 |                                 |                     | ✓ |   |    |    |    |    |    |    |    |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |   |  |  |  |  |  |  |  |  |        |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |   |   |  |   |   |   |   |  |  |  |   |        |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |
| CPMK-2               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ✓                 |                                                                                  |                 |                                 |                     |   |   |    |    |    |    |    |    |    |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |   |  |  |  |  |  |  |  |  |        |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |   |   |  |   |   |   |   |  |  |  |   |        |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |
| CPMK-3               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   | ✓                                                                                | ✓               |                                 |                     |   |   |    |    |    |    |    |    |    |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |   |  |  |  |  |  |  |  |  |        |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |   |   |  |   |   |   |   |  |  |  |   |        |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |
| CPMK-4               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                                                                  |                 | ✓                               | ✓                   |   | ✓ | ✓  | ✓  | ✓  |    |    |    | ✓  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |   |  |  |  |  |  |  |  |  |        |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |   |   |  |   |   |   |   |  |  |  |   |        |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |
| CPMK-5               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                                                                  |                 |                                 |                     |   |   |    |    |    | ✓  |    |    |    |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |   |  |  |  |  |  |  |  |  |        |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |   |   |  |   |   |   |   |  |  |  |   |        |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |
| CPMK-6               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                                                                  |                 |                                 |                     |   |   |    |    |    |    | ✓  | ✓  |    |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |   |  |  |  |  |  |  |  |  |        |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |   |   |  |   |   |   |   |  |  |  |   |        |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |
| Deskripsi Singkat MK | Mata kuliah ini merupakan bagian dari kelompok ilmu alam dasar yang membahas tentang konsep biologi, fisika, biokimia, gizi dengan memperhatikan lingkungan dan etika keilmuan, serta konsep-konsep anatomi dan fisiologi manusia dalam mempertahankan homeostasis tubuh.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                                                                  |                 |                                 |                     |   |   |    |    |    |    |    |    |    |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |   |  |  |  |  |  |  |  |  |        |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |   |   |  |   |   |   |   |  |  |  |   |        |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |
| Pustaka              | Utama :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                                                                  |                 |                                 |                     |   |   |    |    |    |    |    |    |    |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |   |  |  |  |  |  |  |  |  |        |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |   |   |  |   |   |   |   |  |  |  |   |        |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |
|                      | <div>1. Cole, L., &amp; Kramer, P. (2015). Human Physiology, Biochemistry and Basic Medicine, 1st Edition. Massachusetts: Academic Press</div> <div>2. Chiras, D.D. (2019). Human Biology, 9th edition. Massachusetts: Jones &amp; Bartlett Learning</div> <div>3. Cavagna, G. (2019). Fundamentals of Human Physiology. Berlin: Springer</div> <div>4. Drake R., Vogl A.W., Mitchell A.W.M. (2014). Gray Dasar-Dasar Anatomi. Edisi Bahasa Indonesia Churchill Livingstone: Elsevier (Singapore) Pte.Ltd</div> <div>5. Gartner L.P., Hiatt J.L. (2014). Buku Ajar Berwarna Histologi. Edisi Bahasa Indonesia 3. Saunders: Elsevier (Singapore) Pte.Ltd</div> <div>6. Grodner M., Escott-Stump S., Dorner S. (2016).Nutritional Foundations and Clinical Applications: A Nursing Approach. 6th edition. Mosby:Elsevier Inc</div> <div>7. Hall E. (2014). Guyton dan Hall Buku Ajar Fisiologi Kedokteran. Edisi Bahasa Indonesia 12. Saunders: Elsevier (Singapore) Pte.Ltd.</div> <div>8. Jabbar, A.S. (2016). Introduction to Human Physiology. Jordan: Dar Wael for Publishing</div> <div>9. Potter, P.A.,Perry, A.G., Stockert P., Hall A. (2014). Essentials for Nursing Practice. 8th Ed. Mosby: Elsevier Inc.</div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                                                                  |                 |                                 |                     |   |   |    |    |    |    |    |    |    |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |   |  |  |  |  |  |  |  |  |        |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |   |   |  |   |   |   |   |  |  |  |   |        |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |
|                      | Pendukung :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                                                                  |                 |                                 |                     |   |   |    |    |    |    |    |    |    |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |   |  |  |  |  |  |  |  |  |        |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |   |   |  |   |   |   |   |  |  |  |   |        |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |
|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <div>1. Sulistyana, Caturia Sasti., dkk 2024. Aktivitas Fisik dalam Kesehatan. Eureka Media Aksara. Purbalingga</div> <div>2. Moughan, Paul J et al. 2024. The Importance of Dietary Protein Quality in Mid- to High-Income Countries. The Journal of Nutrition, Volume 154, Issue 3, 804 - 814</div> <div>3. Miller, Joshua W. 2023. Vitamin B12 and In Utero Programming – With Each Question Answered, Many Questions Are Raised. The Journal of Nutrition, Volume 153, Issue 12, 3352 - 3354</div> <div>4. Hositanisita, H., Purnamasari, S., &amp; Pratiwi, A. M. 2024. EDUKASI GIZI SEIMBANG MENINGKATKAN PENGETAHUAN KADER REMAJA DI KECAMATAN GEDANGSARI GUNUNGKIDUL. Jurnal Pengabdian Gizi Dan Kesehatan Masyarakat, 1(2), 54-59.</div> <div>5. Kumaat, N.A. et al. 2025. Analyzing the Effect of Dancesport on Reducing Menopausal Symptoms and Increasing Quality of Life.pdf. Phys Educ Theory Methodol. 2025;25(1):72–6.</div>                                                                                                                                                                                                                                                                                                                                                                                     |                   |                                                                                  |                 |                                 |                     |   |   |    |    |    |    |    |    |    |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |   |  |  |  |  |  |  |  |  |        |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |   |   |  |   |   |   |   |  |  |  |   |        |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |
| Dosen Pengampu       | Ns Satria Eureka Nurseskasatmata, S.Kep., M.Kep.<br>Ns. Anja Hesnia Kholis, M.Kep., Sp.Kep.M.B.<br>Ns. La Saudi, M.Kep., Sp.Kep.An.<br>Siska Christianingsih, S.Kep., Ns., M.Kep.<br>Ns. Caturia Sasti Sulistyana, S.Kep., M.Kep.<br>Ns. Risyda Zakiyah Hanim, S.Kep., M.Kep., Sp.Kep.M.B.<br>Novianti Lailiah, S.Kep., Ns., M.Kep.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                                                                  |                 |                                 |                     |   |   |    |    |    |    |    |    |    |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |   |  |  |  |  |  |  |  |  |        |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |   |   |  |   |   |   |   |  |  |  |   |        |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |
| Mg Ke-               | Kemampuan akhir tiap tahapan belajar (Sub-CPMK)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Penilaian                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   | Bantuk Pembelajaran, Metode Pembelajaran, Penugasan Mahasiswa, [ Estimasi Waktu] |                 | Materi Pembelajaran [ Pustaka ] | Bobot Penilaian (%) |   |   |    |    |    |    |    |    |    |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |   |  |  |  |  |  |  |  |  |        |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |   |   |  |   |   |   |   |  |  |  |   |        |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |
|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Indikator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Kriteria & Bentuk | Luring (offline)                                                                 | Daring (online) |                                 |                     |   |   |    |    |    |    |    |    |    |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |   |  |  |  |  |  |  |  |  |        |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |   |   |  |   |   |   |   |  |  |  |   |        |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |
| (1)                  | (2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | (3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (4)               | (5)                                                                              | (6)             | (7)                             | (8)                 |   |   |    |    |    |    |    |    |    |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |        |   |   |  |  |  |  |  |   |  |  |  |  |  |  |  |  |        |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |  |  |  |  |  |   |   |  |   |   |   |   |  |  |  |   |        |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |

|   |                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                  |                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                               |    |
|---|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1 | Mahasiswa mampu menerapkan konsep biologi sel dan genetika sebagai suatu pendekatan dalam menyelesaikan masalah keperawatan                    | Ketepatan dalam menerapkan konsep biologi sel :<br>a. Struktur dan fungsi sel b. Replikasi , transkripsi, dan translasi c. Mitosis dan meiosis d. Fungsi sel e. Kimiawi sel                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Kriteria:</b><br>rubrik penilaian<br><br><b>Bentuk Penilaian</b><br>:<br>Aktifitas<br>Partisipatif                            | Ceramah,<br>diskusi,<br>tanya jawab,<br>cooperative learning<br>50'x3 |  | <b>Materi:</b><br>biomekanik dan biolistrik<br><b>Pustaka:</b> Cole, L., & Kramer, P. (2015). <i>Human Physiology, Biochemistry and Basic Medicine, 1st Edition. Massachusetts: Academic Press</i><br><br><b>Materi:</b><br>biomekanik dan biolistrik<br><b>Pustaka:</b> Chiras, D.D. (2019). <i>Human Biology, 9th edition. Massachusetts: Jones &amp; Bartlett Learning</i> | 5% |
| 2 | Mahasiswa mampu menerapkan prinsip-prinsip fisika (biomekanik dan biolistrik) sebagai suatu pendekatan dalam menyelesaikan masalah keperawatan | Ketepatan dalam menjelaskan konsep biomekanik dan biolistrik: a. Biomekanika : konsep dasar dan penerapan biomekanika dalam keperawatan b. Biolistrik :Atom dan ion, muatan listrik, potensial, arus dan hambatan listrik c. Potensial Listrik pada berbagai keadaan sel (transduksi sinyal, potensial membrane istirahat, depolarisasi, hiperpolarisasi, potensial aksi) d. Penghantaran impuls di dalam tubuh dan transmisi sinaps (potensial end plate, pembentukan Excitatory Post Synaptic Potensial (EPSP) dan Inhibitory Post-Synaptic (IPSP), Penggunaan Listrik untuk tubuh | <b>Kriteria:</b><br>rubrik penilaian<br><br><b>Bentuk Penilaian</b><br>:<br>Aktifitas<br>Partisipatif,<br>Penilaian<br>Praktikum | Ceramah,<br>diskusi,<br>tanya jawab,<br>contextual Learning<br>50'x3  |  | <b>Materi:</b> fisika keperawatan<br><b>Pustaka:</b> Cole, L., & Kramer, P. (2015). <i>Human Physiology, Biochemistry and Basic Medicine, 1st Edition. Massachusetts: Academic Press</i><br><br><b>Materi:</b> biooptik dan bioakustik<br><b>Pustaka:</b> Chiras, D.D. (2019). <i>Human Biology, 9th edition. Massachusetts: Jones &amp; Bartlett Learning</i>                | 5% |

|   |                                                                                                                                                      |                                                                                                                                                                                                                     |                                                                                                                                          |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 3 | Mahasiswa mampu menerapkan prinsip-prinsip fisika (biomekanik dan biolistrik) sebagai suatu pendekatan dalam menyelesaikan masalah keperawatan       | 1. Ketepatan dalam menjelaskan : a. konsep Bio-optik b. konsep Bio-akustik c. konsep termofisika d. konsep fluida e. Penerapan fisika dalam keperawatan f. Prinsip-prinsip fisika dalam pemeliharaan alat Kesehatan | <b>Kriteria:</b><br>rubrik penilaian<br><br><b>Bentuk Penilaian :</b><br>Penilaian Portofolio                                            | Ceramah, diskusi, tanya jawab, contextual Learning, collaborative learning 50'x3    | <b>Materi:</b> biokimia pada tubuh<br><b>Pustaka:</b> Cole, L., & Kramer, P. (2015). <i>Human Physiology, Biochemistry and Basic Medicine, 1st Edition.</i> Massachusetts: Academic Press<br><b>Materi:</b> biokimia pada tubuh<br><b>Pustaka:</b> Chiras, D.D. (2019). <i>Human Biology, 9th edition.</i> Massachusetts: Jones & Bartlett Learning<br><b>Materi:</b> biokimia pada tubuh<br><b>Pustaka:</b> Cavagna, G. (2019). <i>Fundamentals of Human Physiology.</i> Berlin: Springer<br><b>Materi:</b> biokimia pada tubuh<br><b>Pustaka:</b> Gartner L.P., Hiatt J.L. (2014). <i>Buku Ajar Berwarna Histologi. Edisi Bahasa Indonesia 3.</i> Saunders: Elsevier (Singapore) Pte.Ltd<br><b>Materi:</b> biokimia pada tubuh<br><b>Pustaka:</b> Grodner M., Escott-Stump S., Dorner S. (2016). <i>Nutritional Foundations and Clinical Applications: A Nursing Approach. 6th edition.</i> Mosby:Elsevier Inc<br><b>Materi:</b> biokimia pada tubuh<br><b>Pustaka:</b> Mader SS (2012). <i>Human Biology, 12th edition.</i> USA: The McGraw-Hill Publishing Company | 5% |
| 4 | Mahasiswa mampu menganalisis masalah keperawatan dengan menggunakan prinsip-prinsip biokimia dan gizi sebagai bagian pendekatan holistik keperawatan | Ketepatan dalam menjelaskan prinsip-prinsip biokimia pada tubuh manusia : a. keseimbangan asam basa b. cairan tubuh c. metabolisme karbohidrat, protein,                                                            | <b>Kriteria:</b><br>rubrik penilaian<br><br><b>Bentuk Penilaian :</b><br>Penilaian Hasil Project / Penilaian Produk, Penilaian Praktikum | Ceramah, diskusi, tanya jawab, contextual Learning, discovery learning, self-direct | <b>Materi:</b> prinsip gizi pada tubuh manusia<br><b>Pustaka:</b> Cole, L., & Kramer, P. (2015). <i>Human Physiology, Biochemistry and</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5% |

|  |  |                             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--|--|-----------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | lipid, purin, dan pirimidin | learning 50'x3 | <p><i>Basic Medicine, 1st Edition. Massachusetts: Academic Press</i></p> <hr/> <p><b>Materi:</b> prinsip gizi pada tubuh manusia<br/> <b>Pustaka:</b> Chiras, D.D. (2019). <i>Human Biology, 9th edition. Massachusetts: Jones &amp; Bartlett Learning</i></p> <hr/> <p><b>Materi:</b> prinsip gizi pada tubuh manusia<br/> <b>Pustaka:</b> Cavagna, G. (2019). <i>Fundamentals of Human Physiology. Berlin: Springer</i></p> <hr/> <p><b>Materi:</b> prinsip gizi pada tubuh manusia<br/> <b>Pustaka:</b> Gartner L.P., Hiatt J.L. (2014). <i>Buku Ajar Berwarna Histologi. Edisi Bahasa Indonesia 3. Saunders: Elsevier (Singapore) Pte.Ltd</i></p> <hr/> <p><b>Materi:</b> prinsip gizi pada tubuh manusia<br/> <b>Pustaka:</b> Grodner M., Escott-Stump S., Dorner S. (2016). <i>Nutritional Foundations and Clinical Applications: A Nursing Approach. 6th edition. Mosby:Elsevier Inc</i></p> <hr/> <p><b>Materi:</b> prinsip gizi pada tubuh manusia<br/> <b>Pustaka:</b> Mader SS (2012). <i>Human Biology, 12th edition. USA: The McGraw-Hill Publishing Company</i></p> <hr/> <p><b>Materi:</b> prinsip kebutuhan gizi<br/> <b>Pustaka:</b> Cole, L., &amp; Kramer, P. (2015). <i>Human Physiology, Biochemistry and Basic Medicine, 1st Edition. Massachusetts:</i></p> |
|--|--|-----------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|   |                                                                                                                                                      |                                                                                                                                                                                                                                  |                                                                                                                                           |                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|   |                                                                                                                                                      |                                                                                                                                                                                                                                  |                                                                                                                                           |                                                                              |  | Academic Press                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |
| 5 | Mahasiswa mampu menganalisis masalah keperawatan dengan menggunakan prinsip-prinsip biokimia dan gizi sebagai bagian pendekatan holistik keperawatan | Ketepatan dalam menjelaskan prinsip-prinsip gizi pada tubuh manusia: a. zat gizi makro dan mikro b. angka kecukupan gizi yang dianjurkan c. kebutuhan gizi individu d. penilaian status gizi individu e. dasar-dasar diet klinik | <b>Kriteria:</b><br>rubrik penilaian<br><br><b>Bentuk Penilaian :</b><br>Penilaian Hasil Project / Penilaian Produk                       | Ceramah, diskusi, tanya jawab, discovery learning 50'x3                      |  | <b>Materi:</b> konsep biologi sel<br><b>Pustaka:</b> Cole, L., & Kramer, P. (2015). <i>Human Physiology, Biochemistry and Basic Medicine, 1st Edition.</i> Massachusetts: Academic Press<br><br><b>Materi:</b> konsep biologi sel<br><b>Pustaka:</b> Chiras, D.D. (2019). <i>Human Biology, 9th edition.</i> Massachusetts: Jones & Bartlett Learning<br><br><b>Materi:</b> konsep biologi sel<br><b>Pustaka:</b> Cavagna, G. (2019). <i>Fundamentals of Human Physiology.</i> Berlin: Springer<br><br><b>Materi:</b> konsep biologi sel<br><b>Pustaka:</b> Drake R., Vogl A.W., Mitchell A.W.M. (2014). <i>Gray Dasar-Dasar Anatomi. Edisi Bahasa Indonesia Churchill Livingstone: Elsevier (Singapore) Pte.Ltd</i><br><br><b>Materi:</b> konsep biologi sel<br><b>Pustaka:</b> Mader SS (2012). <i>Human Biology, 12th edition.</i> USA: The McGraw-Hill Publishing Company<br><br><b>Materi:</b> konsep biologi sel<br><b>Pustaka:</b> Potter, P.A., Perry, A.G., Stockert P., Hall A. (2014). <i>Essentials for Nursing Practice. 8th Ed.</i> Mosby: Elsevier Inc. | 5% |
| 6 | Mahasiswa mampu menjelaskan konsep anatomi dan fisiologi manusia sebagai pendekatan dalam menyelesaikan masalah keperawatan                          | 1. Ketepatan dalam menjelaskan struktur dan fungsi tubuh manusia secara umum : istilah dalam anatomi<br>2. Ketepatan dalam menjelaskan                                                                                           | <b>Kriteria:</b><br>rubrik penilaian<br><br><b>Bentuk Penilaian :</b><br>Penilaian Portofolio, Penilaian Praktikum, Praktik / Unjuk Kerja | Ceramah, diskusi, tanya jawab, discovery learning, collaborative, PjBL 50'x3 |  | <b>Materi:</b> struktur anatomi dan fungsi tubuh manusia<br><b>Pustaka:</b> Cole, L., & Kramer, P. (2015). <i>Human Physiology, Biochemistry and Basic Medicine, 1st Edition.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5% |

|  |  |  |                                                                                                                                                                                                                                                                                  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |  | <p>struktural dan fungsi tubuh manusia secara umum : bidang dan pembagian region tubuh</p> <p>3. Ketepatan dalam menjelaskan struktural dan fungsi tubuh manusia secara umum : macam-macam jaringan: Jaringan epitel, Jaringan connective, Jaringan otot, dan Jaringan saraf</p> |  |  | <p>Massachusetts: Academic Press</p> <hr/> <p><b>Materi:</b> struktur anatomi dan fungsi tubuh manusia</p> <p><b>Pustaka:</b> Chiras, D.D. (2019). <i>Human Biology, 9th edition.</i> Massachusetts: Jones &amp; Bartlett Learning</p> <hr/> <p><b>Materi:</b> struktur anatomi dan fungsi tubuh manusia</p> <p><b>Pustaka:</b> Cavagna, G. (2019). <i>Fundamentals of Human Physiology.</i> Berlin: Springer</p> <hr/> <p><b>Materi:</b> struktur anatomi dan fungsi tubuh manusia</p> <p><b>Pustaka:</b> Drake R., Vogl A.W., Mitchell A.W.M. (2014). <i>Gray Dasar-Dasar Anatomi. Edisi Bahasa Indonesia Churchill Livingstone: Elsevier (Singapore) Pte.Ltd</i></p> <hr/> <p><b>Materi:</b> struktur anatomi dan fungsi tubuh manusia</p> <p><b>Pustaka:</b> Gartner L.P., Hiatt J.L. (2014). <i>Buku Ajar Berwarna Histologi. Edisi Bahasa Indonesia 3. Saunders: Elsevier (Singapore) Pte.Ltd</i></p> <hr/> <p><b>Materi:</b> struktur anatomi dan fungsi tubuh manusia</p> <p><b>Pustaka:</b> Hall E. (2014). <i>Guyton dan Hall Buku Ajar Fisiologi Kedokteran. Edisi Bahasa Indonesia 12. Saunders: Elsevier (Singapore) Pte.Ltd.</i></p> <hr/> <p><b>Materi:</b> struktur anatomi dan fungsi tubuh manusia</p> <p><b>Pustaka:</b></p> |
|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|   |                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                            |                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |    |
|---|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|   |                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                            |                                                                                       |  | <p>Jabbar, A.S. (2016). <i>Introduction to Human Physiology</i>. Jordan: Dar Wael for Publishing</p> <p><b>Materi:</b> struktur anatomi dan fungsi tubuh manusia</p> <p><b>Pustaka:</b> Mader SS (2012). <i>Human Biology, 12th edition</i>. USA: The McGraw-Hill Publishing Company</p> <p><b>Materi:</b> struktur anatomi dan fungsi tubuh manusia</p> <p><b>Pustaka:</b> Potter, P.A., Perry, A.G., Stockert P., Hall A. (2014). <i>Essentials for Nursing Practice</i>. 8th Ed. Mosby: Elsevier Inc.</p>                                                                                                                                                                                                                                    |    |
| 7 | Mahasiswa mampu menjelaskan konsep anatomi dan fisiologi manusia sebagai pendekatan dalam menyelesaikan masalah keperawatan | Ketepatan dalam menjelaskan struktur dan fungsi tubuh manusia secara umum : a. sistem respirasi: Komponen sistem pernafasan, Mekanisme pernafasan, Volume pernafasan, Transpor gas, Pengaturan pernafasan, Spirometri, Struktur pernafasan, Mekanisme pernafasan b. sistem kardiovaskuler: Struktur jantung, Sirkulasi darah ke jantung, Sirkulasi fetal, Sirkulasi coroner, Sistem konduksi dan inervasi, Siklus jantung, Elektrokardiogram, c. sistem perkemihan : Komponen sistem perkemihan, Nephron dan fungsinya, Konsentrasi urin, Mikturisi | <p><b>Kriteria:</b> rubrik penilaian</p> <p><b>Bentuk Penilaian :</b> Penilaian Hasil Project / Penilaian Produk, Penilaian Portofolio</p> | Ceramah, diskusi, tanya jawab, discovery learning, collaborative learning, PjBL 50'x3 |  | <p><b>Materi:</b> sistem persarafan</p> <p><b>Pustaka:</b> Cole, L., &amp; Kramer, P. (2015). <i>Human Physiology, Biochemistry and Basic Medicine, 1st Edition</i>. Massachusetts: Academic Press</p> <p><b>Materi:</b> sistem persarafan</p> <p><b>Pustaka:</b> Chiras, D.D. (2019). <i>Human Biology, 9th edition</i>. Massachusetts: Jones &amp; Bartlett Learning</p> <p><b>Materi:</b> sistem persarafan</p> <p><b>Pustaka:</b> Cavagna, G. (2019). <i>Fundamentals of Human Physiology</i>. Berlin: Springer</p> <p><b>Materi:</b> sistem persarafan</p> <p><b>Pustaka:</b> Drake R., Vogl A.W., Mitchell A.W.M. (2014). <i>Gray Dasar-Dasar Anatomi</i>. Edisi Bahasa Indonesia Churchill Livingstone: Elsevier (Singapore) Pte.Ltd</p> | 5% |

|   |                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                 |                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |
|---|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|   |                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                 |                                      |  | <p><b>Materi:</b> sistem persarafan<br/> <b>Pustaka:</b> Gartner L.P., Hiatt J.L. (2014). Buku Ajar Berwarna Histologi. Edisi Bahasa Indonesia 3. Saunders: Elsevier (Singapore) Pte.Ltd</p> <p><b>Materi:</b> sistem persarafan<br/> <b>Pustaka:</b> Hall E. (2014). Guyton dan Hall Buku Ajar Fisiologi Kedokteran. Edisi Bahasa Indonesia 12. Saunders: Elsevier (Singapore) Pte.Ltd.</p> <p><b>Materi:</b> sistem persarafan<br/> <b>Pustaka:</b> Jabbar, A.S. (2016). Introduction to Human Physiology. Jordan: Dar Wael for Publishing</p> <p><b>Materi:</b> sistem persarafan<br/> <b>Pustaka:</b> Potter, P.A., Perry, A.G., Stockert P., Hall A. (2014). Essentials for Nursing Practice. 8th Ed. Mosby: Elsevier Inc.</p> |     |
| 8 | <p>mahasiswa mampu menjelaskan konsep fisika, konsep biologi, konsep gizi, konsep biokimia dan anatomi pada manusia</p> | <p>1.Ketepatan dalam menjelaskan konsep biomekanik dan biolistrik<br/> 2.Ketepatan dalam menjelaskan konsep Bio-optik, bio-akustik, termofisika, fluida, penerapan dalam keperawatan, prinsip fisika dalam pemeliharaan alat kesehatan<br/> 3.Ketepatan dalam menjelaskan prinsip-prinsip biokimia pada tubuh manusia<br/> 4.Ketepatan menjelaskan prinsip-prinsip gizi pada tubuh manusia</p> | <p><b>Kriteria:</b> rubrik penilaian<br/> <b>Bentuk Penilaian :</b> Aktifitas Partisipasif, Penilaian Hasil Project / Penilaian Produk, Tes</p> | <p>tes tulis pilihan ganda 50'x2</p> |  | <p><b>Materi:</b> materi sumatif<br/> <b>Pustaka:</b> Cole, L., &amp; Kramer, P. (2015). Human Physiology, Biochemistry and Basic Medicine, 1st Edition. Massachusetts: Academic Press</p> <p><b>Materi:</b> materi sumatif<br/> <b>Pustaka:</b> Chiras, D.D. (2019). Human Biology, 9th edition. Massachusetts: Jones &amp; Bartlett Learning</p> <p><b>Materi:</b> materi sumatif<br/> <b>Pustaka:</b> Cavagna, G. (2019). Fundamentals of Human</p>                                                                                                                                                                                                                                                                              | 10% |

|  |  |                                                                                                                                             |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
|--|--|---------------------------------------------------------------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|  |  | <p>5.Ketepatan dalam menerapkan konsep biologi sel</p> <p>6.Ketepatan dalam menjelaskan struktural dan fungsi tubuh manusia secara umum</p> |  |  | <p><i>Physiology.</i><br/><i>Berlin: Springer</i></p> <hr/> <p><b>Materi:</b> materi sumatif</p> <p><b>Pustaka:</b> <i>Drake R., Vogl A.W., Mitchell A.W.M. (2014). Gray Dasar-Dasar Anatomi. Edisi Bahasa Indonesia Churchill Livingstone: Elsevier (Singapore) Pte.Ltd</i></p> <hr/> <p><b>Materi:</b> materi sumatif</p> <p><b>Pustaka:</b> <i>Gabriel, J.F. (1996). Fisika Kedokteran. Jakarta: EGC</i></p> <hr/> <p><b>Materi:</b> materi sumatif</p> <p><b>Pustaka:</b> <i>Grodner M., Escott-Stump S., Dornier S. (2016). Nutritional Foundations and Clinical Applications: A Nursing Approach. 6th edition. Mosby:Elsevier Inc</i></p> <hr/> <p><b>Materi:</b> materi sumatif</p> <p><b>Pustaka:</b> <i>Hall E. (2014). Guyton dan Hall Buku Ajar Fisiologi Kedokteran. Edisi Bahasa Indonesia 12. Saunders: Elsevier (Singapore) Pte.Ltd.</i></p> <hr/> <p><b>Materi:</b> materi sumatif</p> <p><b>Pustaka:</b> <i>Jabbar, A.S. (2016). Introduction to Human Physiology. Jordan: Dar Wael for Publishing</i></p> <hr/> <p><b>Materi:</b> materi sumatif</p> <p><b>Pustaka:</b> <i>Mader SS (2012). Human Biology, 12th edition. USA: The McGraw-Hill Publishing Company</i></p> <hr/> <p><b>Materi:</b> materi sumatif</p> |  |
|--|--|---------------------------------------------------------------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

|   |                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                        |                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    |
|---|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|   |                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                        |                                                                                       |  | <p><b>Pustaka:</b> Potter, P.A., Perry, A.G., Stockert P., Hall A. (2014). <i>Essentials for Nursing Practice</i>. 8th Ed. Mosby: Elsevier Inc.</p> <hr/> <p><b>Materi:</b> materi sumatif</p> <p><b>Pustaka:</b> Sulistyana, Caturia Sasti., dkk 2024. <i>Aktivitas Fisik dalam Kesehatan</i>. Eureka Media Aksara. Purbalingga</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |
| 9 | Mahasiswa mampu menjelaskan konsep anatomi dan fisiologi manusia sebagai pendekatan dalam menyelesaikan masalah keperawatan | Ketepatan dalam menjelaskan struktur dan fungsi tubuh manusia secara umum : a. sistem persarafan: Susunan sistem saraf pusat, perifer, dan otonom, Proses terjadinya refleksi, Penilaian fungsi kranial, Penilaian fungsi refleksi b. sistem imun dasar, Pembuluh darah, arteri, dan vena, Prinsip sistem arteri, Prinsip sistem vena, Tekanan darah, Pengisian kapiler, Penghitungan nadi, Fungsi darah, Komposisi darah, Eritrosit, Platelet, Plasma | <p><b>Kriteria:</b><br/>Rubrik penilaian pjl</p> <p><b>Bentuk Penilaian :</b><br/>Penilaian Hasil Project / Penilaian Produk, Penilaian Portofolio</p> | Ceramah, diskusi, tanya jawab, discovery learning, collaborative learning, PjBL 50'x3 |  | <p><b>Materi:</b> materi struktur dan fungsi tubuh manusia</p> <p><b>Pustaka:</b> Cole, L., &amp; Kramer, P. (2015). <i>Human Physiology, Biochemistry and Basic Medicine</i>, 1st Edition. Massachusetts: Academic Press</p> <hr/> <p><b>Materi:</b> materi struktur dan fungsi tubuh manusia</p> <p><b>Pustaka:</b> Chiras, D.D. (2019). <i>Human Biology</i>, 9th edition. Massachusetts: Jones &amp; Bartlett Learning</p> <hr/> <p><b>Materi:</b> materi struktur dan fungsi tubuh manusia</p> <p><b>Pustaka:</b> Cavagna, G. (2019). <i>Fundamentals of Human Physiology</i>. Berlin: Springer</p> <hr/> <p><b>Materi:</b> materi struktur dan fungsi tubuh manusia</p> <p><b>Pustaka:</b> Drake R., Vogl A.W., Mitchell A.W.M. (2014). <i>Gray Dasar-Dasar Anatomi</i>. Edisi Bahasa Indonesia Churchill Livingstone: Elsevier (Singapore) Pte.Ltd</p> <hr/> <p><b>Materi:</b> materi struktur dan fungsi tubuh manusia</p> <p><b>Pustaka:</b></p> | 5% |

|    |                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                       |                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |
|----|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|    |                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                       |                                                                                       |  | <p>Gartner L.P.,<br/>Hiatt J.L. (2014).<br/>Buku Ajar<br/>Berwarna<br/>Histologi. Edisi<br/>Bahasa<br/>Indonesia 3.<br/>Saunders:<br/>Elsevier<br/>(Singapore)<br/>Pte.Ltd</p> <hr/> <p><b>Materi:</b> materi<br/>struktur dan<br/>fungsi tubuh<br/>manusia<br/><b>Pustaka:</b> Hall E.<br/>(2014). Guyton<br/>dan Hall Buku<br/>Ajar Fisiologi<br/>Kedokteran.<br/>Edisi Bahasa<br/>Indonesia 12.<br/>Saunders:<br/>Elsevier<br/>(Singapore)<br/>Pte.Ltd.</p> <hr/> <p><b>Materi:</b> materi<br/>struktur dan<br/>fungsi tubuh<br/>manusia<br/><b>Pustaka:</b> Mader<br/>SS (2012).<br/>Human Biology,<br/>12th<br/>edition.USA: The<br/>McGraw-Hill<br/>Publishing<br/>Company</p> |    |
| 10 | Mahasiswa mampu menjelaskan konsep anatomi dan fisiologi manusia sebagai pendekatan dalam menyelesaikan masalah keperawatan | Ketepatan dalam menjelaskan struktur dan fungsi tubuh manusia secara umum : a. sistem integumen :<br>.Struktur kulit, Fungsi jaringan kulit, Fungsi kulit dalam pengaturan keseimbangan cairan, Fungsi kulit dalam pengaturan keseimbangan temperatur b. sistem musculoskeletal :<br>Struktur otot mikroskopis, Struktur otot makroskopis, Otot - otot tulang aksial, Otot -otot tulang appendikular, Kontraksi otot, Struktur dan fungsi tulang, Pembentukan tulang, Tulang- tulang aksial, Tulang-tulang appendikular, Persendian, Pergerakan sendi, Penilaian rentang gerak sendi. | <p><b>Kriteria:</b><br/>Rubrik penilaian PjBL</p> <p><b>Bentuk Penilaian</b><br/>:<br/>Penilaian Hasil Project / Penilaian Produk</p> | Ceramah, diskusi, tanya jawab, discovery learning, collaborative learning, PjBL 50'x3 |  | <p><b>Materi:</b> materi struktur dan fungsi tubuh manusia<br/><b>Pustaka:</b> Cole, L., &amp; Kramer, P. (2015). Human Physiology, Biochemistry and Basic Medicine, 1st Edition. Massachusetts: Academic Press</p> <hr/> <p><b>Materi:</b> materi struktur dan fungsi tubuh manusia<br/><b>Pustaka:</b> Chiras, D.D. (2019). Human Biology, 9th edition. Massachusetts: Jones &amp; Bartlett Learning</p> <hr/> <p><b>Materi:</b> materi struktur dan fungsi tubuh manusia<br/><b>Pustaka:</b> Cavagna, G. (2019). Fundamentals of Human Physiology. Berlin: Springer</p> <hr/> <p><b>Materi:</b> materi struktur dan fungsi tubuh manusia</p>                                      | 5% |

|    |                                                                                                                             |                                                                                                                                                                                                                                                                                                                         |                                                                                                                           |                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |
|----|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|    |                                                                                                                             |                                                                                                                                                                                                                                                                                                                         |                                                                                                                           |                                                                                       |  | <p><b>Pustaka:</b> Drake R., Vogl A.W., Mitchell A.W.M. (2014). <i>Gray Dasar-Dasar Anatomi</i>. Edisi Bahasa Indonesia Churchill Livingstone: Elsevier (Singapore) Pte.Ltd</p> <hr/> <p><b>Materi:</b> materi struktur dan fungsi tubuh manusia</p> <p><b>Pustaka:</b> Gartner L.P., Hiatt J.L. (2014). <i>Buku Ajar Berwarna Histologi</i>. Edisi Bahasa Indonesia 3. Saunders: Elsevier (Singapore) Pte.Ltd</p> <hr/> <p><b>Materi:</b> materi struktur dan fungsi tubuh manusia</p> <p><b>Pustaka:</b> Hall E. (2014). <i>Guyton dan Hall Buku Ajar Fisiologi Kedokteran</i>. Edisi Bahasa Indonesia 12. Saunders: Elsevier (Singapore) Pte.Ltd.</p> <hr/> <p><b>Materi:</b> materi struktur dan fungsi tubuh manusia</p> <p><b>Pustaka:</b> Mader SS (2012). <i>Human Biology, 12th edition</i>. USA: The McGraw-Hill Publishing Company</p> |    |
| 11 | Mahasiswa mampu menjelaskan konsep anatomi dan fisiologi manusia sebagai pendekatan dalam menyelesaikan masalah keperawatan | Ketepatan dalam menjelaskan struktur dan fungsi tubuh manusia secara umum : a. sistem reproduksi : Organ sex primer dan sekunder, Sistem reproduksi laki-laki, Sistem reproduksi perempuan, Siklus hormonal perempuan, Fertilisasi dan kehamilan b. sistem endokrin: organ pada endokrin, Mekanisme kerja hormon, enzim | <p><b>Kriteria:</b> Rubrik penilaian PjBL</p> <p><b>Bentuk Penilaian :</b> Penilaian Hasil Project / Penilaian Produk</p> | Ceramah, diskusi, tanya jawab, discovery learning, collaborative learning, PjBL 50'x3 |  | <p><b>Materi:</b> materi struktur dan fungsi tubuh manusia</p> <p><b>Pustaka:</b> Cole, L., &amp; Kramer, P. (2015). <i>Human Physiology, Biochemistry and Basic Medicine, 1st Edition</i>. Massachusetts: Academic Press</p> <hr/> <p><b>Materi:</b> materi struktur dan fungsi tubuh manusia</p> <p><b>Pustaka:</b> Chiras, D.D. (2019). <i>Human Biology, 9th edition</i>. Massachusetts:</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5% |

Jones & Bartlett  
Learning

**Materi:** materi struktur dan fungsi tubuh manusia

**Pustaka:** Cavagna, G. (2019). *Fundamentals of Human Physiology*. Berlin: Springer

**Materi:** materi struktur dan fungsi tubuh manusia

**Pustaka:** Drake R., Vogl A.W., Mitchell A.W.M. (2014). *Gray Dasar-Dasar Anatomi*. Edisi Bahasa Indonesia Churchill Livingstone: Elsevier (Singapore) Pte.Ltd

**Materi:** materi struktur dan fungsi tubuh manusia

**Pustaka:** Gartner L.P., Hiatt J.L. (2014). *Buku Ajar Berwarna Histologi*. Edisi Bahasa Indonesia 3. Saunders: Elsevier (Singapore) Pte.Ltd

**Materi:** materi struktur dan fungsi tubuh manusia

**Pustaka:** Hall E. (2014). *Guyton dan Hall Buku Ajar Fisiologi Kedokteran*. Edisi Bahasa Indonesia 12. Saunders: Elsevier (Singapore) Pte.Ltd.

**Materi:** materi struktur dan fungsi tubuh manusia

**Pustaka:** Mader SS (2012). *Human Biology*, 12th edition. USA: The McGraw-Hill Publishing Company

**Materi:** Sistem reproduksi pada wanita usia menopause

|    |                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                |                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |
|----|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|    |                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                |                                                                                       |  | <b>Pustaka:</b><br>Kumaat, N.A. et al. 2025. <i>Analyzing the Effect of Dancesport on Reducing Menopausal Symptoms and Increasing Quality of Life.pdf. Phys Educ Theory Methodol.</i> 2025;25(1):72–6.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |
| 12 | Mahasiswa mampu menjelaskan konsep anatomi dan fisiologi manusia sebagai pendekatan dalam menyelesaikan masalah keperawatan | Ketepatan dalam menjelaskan struktur dan fungsi tubuh manusia secara umum : a. sistem pencernaan dan metabolisme tubuh : Proses pencernaan, Peritoneum, Struktur dan fungsi dari saluran pencernaan, Organ-organ asesoris, Metabolisme dan pengaturan temperate, metabolisme karbohidrat, lemak, protein, Pengaturan hormonal dalam metabolisme | <b>Kriteria:</b><br>Rubrik penilaian PjBL<br><br><b>Bentuk Penilaian :</b><br>Penilaian Hasil Project / Penilaian Produk, Penilaian Portofolio | Ceramah, diskusi, tanya jawab, discovery learning, collaborative learning, PjBL 50'x3 |  | <b>Materi:</b> materi struktur dan fungsi tubuh manusia<br><b>Pustaka:</b> Cole, L., & Kramer, P. (2015). <i>Human Physiology, Biochemistry and Basic Medicine, 1st Edition. Massachusetts: Academic Press</i><br><br><b>Materi:</b> materi struktur dan fungsi tubuh manusia<br><b>Pustaka:</b> Chiras, D.D. (2019). <i>Human Biology, 9th edition. Massachusetts: Jones &amp; Bartlett Learning</i><br><br><b>Materi:</b> materi struktur dan fungsi tubuh manusia<br><b>Pustaka:</b> Cavagna, G. (2019). <i>Fundamentals of Human Physiology. Berlin: Springer</i><br><br><b>Materi:</b> materi struktur dan fungsi tubuh manusia<br><b>Pustaka:</b> Drake R., Vogl A.W., Mitchell A.W.M. (2014). <i>Gray Dasar-Dasar Anatomi. Edisi Bahasa Indonesia Churchill Livingstone: Elsevier (Singapore) Pte.Ltd</i><br><br><b>Materi:</b> materi struktur dan fungsi tubuh manusia<br><b>Pustaka:</b> Gartner L.P., Hiatt J.L. (2014). <i>Buku Ajar Berwarna Histologi. Edisi</i> | 5% |

|    |                                                                                        |                                                                                                                                                                                               |                                                                                                                      |                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |
|----|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|    |                                                                                        |                                                                                                                                                                                               |                                                                                                                      |                                                           |  | <p>Bahasa Indonesia 3. Saunders: Elsevier (Singapore) Pte.Ltd</p> <hr/> <p><b>Materi:</b> materi struktur dan fungsi tubuh manusia</p> <p><b>Pustaka:</b> Hall E. (2014). Guyton dan Hall Buku Ajar Fisiologi Kedokteran. Edisi Bahasa Indonesia 12. Saunders: Elsevier (Singapore) Pte.Ltd.</p> <hr/> <p><b>Materi:</b> materi struktur dan fungsi tubuh manusia</p> <p><b>Pustaka:</b> Mader SS (2012). Human Biology, 12th edition. USA: The McGraw-Hill Publishing Company</p>                                                                                                                                                                                                                                                                           |    |
| 13 | Mahasiswa mampu menjelaskan mekanisme fisiologi tubuh manusia dalam berbagai aktivitas | Ketepatan dalam menjelaskan lengkung refleks : a. pengertian homeostatis dan system pengendalian tubuh: mekanisme umpan balik positif dan negatif b. pengertian dan komponen lengkung refleks | <p><b>Kriteria:</b> Rubrik penilaian</p> <p><b>Bentuk Penilaian :</b> Penilaian Hasil Project / Penilaian Produk</p> | Ceramah, diskusi, tanya jawab, self-direct learning 50'x3 |  | <p><b>Materi:</b> materi struktur dan fungsi tubuh manusia</p> <p><b>Pustaka:</b> Cole, L., &amp; Kramer, P. (2015). Human Physiology, Biochemistry and Basic Medicine, 1st Edition. Massachusetts: Academic Press</p> <hr/> <p><b>Materi:</b> materi struktur dan fungsi tubuh manusia</p> <p><b>Pustaka:</b> Chiras, D.D. (2019). Human Biology, 9th edition. Massachusetts: Jones &amp; Bartlett Learning</p> <hr/> <p><b>Materi:</b> materi struktur dan fungsi tubuh manusia</p> <p><b>Pustaka:</b> Cavagna, G. (2019). Fundamentals of Human Physiology. Berlin: Springer</p> <hr/> <p><b>Materi:</b> materi struktur dan fungsi tubuh manusia</p> <p><b>Pustaka:</b> Drake R., Vogl A.W., Mitchell A.W.M. (2014). Gray Dasar-Dasar Anatomi. Edisi</p> | 5% |

|  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
|--|--|--|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|  |  |  |  |  |  | <p><i>Bahasa Indonesia Churchill Livingstone: Elsevier (Singapore) Pte.Ltd</i></p> <hr/> <p><b>Materi:</b> materi struktur dan fungsi tubuh manusia<br/> <b>Pustaka:</b> <i>Gartner L.P., Hiatt J.L. (2014). Buku Ajar Berwarna Histologi. Edisi Bahasa Indonesia 3. Saunders: Elsevier (Singapore) Pte.Ltd</i></p> <hr/> <p><b>Materi:</b> materi struktur dan fungsi tubuh manusia<br/> <b>Pustaka:</b> <i>Hall E. (2014). Guyton dan Hall Buku Ajar Fisiologi Kedokteran. Edisi Bahasa Indonesia 12. Saunders: Elsevier (Singapore) Pte.Ltd.</i></p> <hr/> <p><b>Materi:</b> materi struktur dan fungsi tubuh manusia<br/> <b>Pustaka:</b> <i>Mader SS (2012). Human Biology, 12th edition. USA: The McGraw-Hill Publishing Company</i></p> |  |
|--|--|--|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

|    |                                                                                                      |                                                                                                                                                                       |                                                                                                                                |                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |
|----|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 14 | Mahasiswa mampu menjelaskan mekanisme fisiologi tubuh manusia dalam mempertahankan homeostasis tubuh | Ketepatan dalam menjelaskan keseimbangan cairan elektrolit : a. Kompartemen dan komposisi cairan tubuh b. Teori asam basa c. Derajat keasaman larutan pH              | <b>Kriteria:</b><br>rubrik penilaian<br><br><b>Bentuk Penilaian :</b><br>Penilaian Hasil Project / Penilaian Produk            | Ceramah, diskusi, tanya jawab, self-direct learning 50'x 3                     | <b>Materi:</b><br>keseimbangan cairan elektrolit<br><b>Pustaka:</b> Cole, L., & Kramer, P. (2015). <i>Human Physiology, Biochemistry and Basic Medicine, 1st Edition. Massachusetts: Academic Press</i><br><b>Materi:</b><br>keseimbangan cairan elektrolit<br><b>Pustaka:</b> Chiras, D.D. (2019). <i>Human Biology, 9th edition. Massachusetts: Jones &amp; Bartlett Learning</i><br><b>Materi:</b><br>keseimbangan cairan elektrolit<br><b>Pustaka:</b> Cavagna, G. (2019). <i>Fundamentals of Human Physiology. Berlin: Springer</i><br><b>Materi:</b><br>keseimbangan cairan elektrolit<br><b>Pustaka:</b> Hall E. (2014). <i>Guyton dan Hall Buku Ajar Fisiologi Kedokteran. Edisi Bahasa Indonesia 12. Saunders: Elsevier (Singapore) Pte.Ltd.</i><br><b>Materi:</b><br>keseimbangan cairan elektrolit<br><b>Pustaka:</b> Jabbar, A.S. (2016). <i>Introduction to Human Physiology. Jordan: Dar Wael for Publishing</i><br><b>Materi:</b><br>keseimbangan cairan elektrolit<br><b>Pustaka:</b> Potter, P.A., Perry, A.G., Stockert P., Hall A. (2014). <i>Essentials for Nursing Practice. 8th Ed. Mosby: Elsevier Inc.</i> | 12% |
| 15 | Mahasiswa mampu menjelaskan mekanisme fisiologi tubuh manusia dalam mempertahankan homeostasis tubuh | Ketepatan dalam menjelaskan keseimbangan cairan elektrolit : a. Larutan elektrolit dan non elektrolit b. Pengaturan keseimbangan cairan dan elektrolit dalam tubuh c. | <b>Kriteria:</b><br>rubrik penilaian<br><br><b>Bentuk Penilaian :</b><br>Penilaian Hasil Project / Penilaian Produk, Penilaian | Ceramah, diskusi, tanya jawab, discovery learning, self-direct learning 50'x30 | <b>Materi:</b><br>keseimbangan cairan elektrolit<br><b>Pustaka:</b> Cole, L., & Kramer, P. (2015). <i>Human Physiology,</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5%  |

|    |                 |                                                                            |                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |
|----|-----------------|----------------------------------------------------------------------------|--------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|    |                 | System buffer tubuh<br>d. Larutan isotonic,<br>hipotonik dan<br>hipertonik | Portofolio, Praktik /<br>Unjuk Kerja |           | <p><i>Biochemistry and Basic Medicine, 1st Edition. Massachusetts: Academic Press</i></p> <p><b>Materi:</b><br/>keseimbangan cairan elektrolit<br/><b>Pustaka:</b> Chiras, D.D. (2019). <i>Human Biology, 9th edition. Massachusetts: Jones &amp; Bartlett Learning</i></p> <p><b>Materi:</b><br/>keseimbangan cairan elektrolit<br/><b>Pustaka:</b> Cavagna, G. (2019). <i>Fundamentals of Human Physiology. Berlin: Springer</i></p> <p><b>Materi:</b><br/>keseimbangan cairan elektrolit<br/><b>Pustaka:</b> Hall E. (2014). <i>Guyton dan Hall Buku Ajar Fisiologi Kedokteran. Edisi Bahasa Indonesia 12. Saunders: Elsevier (Singapore) Pte.Ltd.</i></p> <p><b>Materi:</b><br/>keseimbangan cairan elektrolit<br/><b>Pustaka:</b> Jabbar, A.S. (2016). <i>Introduction to Human Physiology. Jordan: Dar Wael for Publishing</i></p> <p><b>Materi:</b><br/>keseimbangan cairan elektrolit<br/><b>Pustaka:</b> Potter, P.A., Perry, A.G., Stockert P., Hall A. (2014). <i>Essentials for Nursing Practice. 8th Ed. Mosby: Elsevier Inc.</i></p> <p><b>Materi:</b><br/>homeostasis tubuh<br/><b>Pustaka:</b> Sulistyana, Caturia Sasti., dkk 2024. <i>Aktivitas Fisik dalam Kesehatan. Eureka Media Aksara. Purbalingga</i></p> |     |
| 16 | Mahasiswa mampu | 1.Ketepatan                                                                | <b>Kriteria:</b>                     | tes tulis | <b>Materi:</b> materi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 13% |

|  |                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                          |                                                                                                                 |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>menjelaskan konsep anatomi dan fisiologi manusia, mekanisme fisiologi tubuh manusia dalam berbagai aktivitas, mekanisme fisiologi tubuh manusia dalam mempertahankan homeostasis tubuh</p> | <p>dalam menjelaskan struktur dan fungsi tubuh manusia secara umum: sistem persarafan, sistem imun dasar, sistem integumen, sistem muskuloskeletal, sistem reproduksi, sistem endokrin, sistem pencernaan</p> <p>2.Ketepatan dalam menjelaskan lengkung refleksi</p> <p>3.Ketepatan dalam menjelaskan keseimbangan cairan elektrolit</p> | <p>rubrik penilaian</p> <p><b>Bentuk Penilaian :</b></p> <p>Penilaian Hasil Project / Penilaian Produk, Tes</p> | <p>pilihan ganda 50'x2</p> | <p>sumatif</p> <p><b>Pustaka:</b> <i>Cole, L., &amp; Kramer, P. (2015). Human Physiology, Biochemistry and Basic Medicine, 1st Edition. Massachusetts: Academic Press</i></p> <hr/> <p><b>Materi:</b> materi sumatif</p> <p><b>Pustaka:</b> <i>Chiras, D.D. (2019). Human Biology, 9th edition. Massachusetts: Jones &amp; Bartlett Learning</i></p> <hr/> <p><b>Materi:</b> materi sumatif</p> <p><b>Pustaka:</b> <i>Cavagna, G. (2019). Fundamentals of Human Physiology. Berlin: Springer</i></p> <hr/> <p><b>Materi:</b> materi sumatif</p> <p><b>Pustaka:</b> <i>Drake R., Vogl A.W., Mitchell A.W.M. (2014). Gray Dasar-Dasar Anatomi. Edisi Bahasa Indonesia Churchill Livingstone: Elsevier (Singapore) Pte.Ltd</i></p> <hr/> <p><b>Materi:</b> materi sumatif</p> <p><b>Pustaka:</b> <i>Gabriel, J.F. (1996). Fisika Kedokteran. Jakarta: EGC</i></p> <hr/> <p><b>Materi:</b> materi sumatif</p> <p><b>Pustaka:</b> <i>Gartner L.P., Hiatt J.L. (2014). Buku Ajar Berwarna Histologi. Edisi Bahasa Indonesia 3. Saunders: Elsevier (Singapore) Pte.Ltd</i></p> <hr/> <p><b>Materi:</b> materi sumatif</p> <p><b>Pustaka:</b> <i>Grodner M., Escott-Stump S., Dornier S. (2016). Nutritional Foundations and Clinical Applications: A Nursing Approach. 6th</i></p> |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
|--|--|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|  |  |  |  |  |  | <p>edition.<br/>Mosby:Elsevier<br/>Inc</p> <hr/> <p><b>Materi:</b> materi sumatif<br/><b>Pustaka:</b> Hall E. (2014). Guyton dan Hall Buku Ajar Fisiologi Kedokteran. Edisi Bahasa Indonesia 12. Saunders: Elsevier (Singapore) Pte.Ltd.</p> <hr/> <p><b>Materi:</b> materi sumatif<br/><b>Pustaka:</b> Jabbar, A.S. (2016). Introduction to Human Physiology. Jordan: Dar Wael for Publishing</p> <hr/> <p><b>Materi:</b> materi sumatif<br/><b>Pustaka:</b> Mader SS (2012). Human Biology, 12th edition.USA: The McGraw-Hill Publishing Company</p> <hr/> <p><b>Materi:</b> materi sumatif<br/><b>Pustaka:</b> Potter, P.A.,Perry, A.G., Stockert P., Hall A. (2014). Essentials for Nursing Practice. 8th Ed. Mosby: Elsevier Inc.</p> <hr/> <p><b>Materi:</b> materi sumatif<br/><b>Pustaka:</b> Sulistyana, Caturia Sasti., dkk 2024. Aktivitas Fisik dalam Kesehatan. Eureka Media Aksara. Purbalingga</p> |  |
|--|--|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

#### Rekap Persentase Evaluasi : Project Based Learning

| No | Evaluasi                                   | Persentase |
|----|--------------------------------------------|------------|
| 1. | Aktifitas Partisipasif                     | 10.83%     |
| 2. | Penilaian Hasil Project / Penilaian Produk | 53.5%      |
| 3. | Penilaian Portofolio                       | 15.84%     |
| 4. | Penilaian Praktikum                        | 6.67%      |
| 5. | Praktik / Unjuk Kerja                      | 3.34%      |
| 6. | Tes                                        | 9.83%      |
|    |                                            | 100%       |

#### Catatan

1. **Capaian Pembelajaran Lulusan Prodi (CPL - Prodi)** adalah kemampuan yang dimiliki oleh setiap lulusan prodi yang merupakan internalisasi dari sikap, penguasaan pengetahuan dan ketrampilan sesuai dengan jenjang prodinya yang diperoleh melalui proses pembelajaran.
2. **CPL yang dibebankan pada mata kuliah** adalah beberapa capaian pembelajaran lulusan program studi (CPL-Prodi) yang digunakan untuk pembentukan/pengembangan sebuah mata kuliah yang terdiri dari aspek sikap, ketrampilan umum, ketrampilan khusus dan pengetahuan.
3. **CP Mata kuliah (CPMK)** adalah kemampuan yang dijabarkan secara spesifik dari CPL yang dibebankan pada mata kuliah, dan bersifat spesifik terhadap bahan kajian atau materi pembelajaran mata kuliah tersebut.
4. **Sub-CPMK Mata kuliah (Sub-CPMK)** adalah kemampuan yang dijabarkan secara spesifik dari CPMK yang dapat diukur atau diamati dan merupakan kemampuan akhir yang direncanakan pada tiap tahap pembelajaran, dan bersifat spesifik terhadap materi pembelajaran mata kuliah tersebut.
5. **Indikator penilaian** kemampuan dalam proses maupun hasil belajar mahasiswa adalah pernyataan spesifik dan terukur yang mengidentifikasi kemampuan atau kinerja hasil belajar mahasiswa yang disertai bukti-bukti.
6. **Kriteria Penilaian** adalah patokan yang digunakan sebagai ukuran atau tolok ukur ketercapaian pembelajaran dalam penilaian berdasarkan indikator-indikator yang telah ditetapkan. Kriteria penilaian merupakan pedoman bagi penilai agar penilaian konsisten dan tidak bias. Kriteria dapat berupa kuantitatif ataupun kualitatif.
7. **Bentuk penilaian:** tes dan non-tes.
8. **Bentuk pembelajaran:** Kuliah, Responsi, Tutorial, Seminar atau yang setara, Praktikum, Praktik Studio, Praktik Bengkel, Praktik Lapangan, Penelitian, Pengabdian Kepada Masyarakat dan/atau bentuk pembelajaran lain yang setara.
9. **Metode Pembelajaran:** Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning, Collaborative Learning, Contextual Learning, Project Based Learning, dan metode lainnya yg setara.
10. **Materi Pembelajaran** adalah rincian atau uraian dari bahan kajian yg dapat disajikan dalam bentuk beberapa pokok dan sub-pokok bahasan.
11. **Bobot penilaian** adalah prosentasi penilaian terhadap setiap pencapaian sub-CPMK yang besarnya proposional dengan tingkat kesulitan pencapaian sub-CPMK tsb., dan totalnya 100%.
12. TM=Tatap Muka, PT=Penugasan terstruktur, BM=Belajar mandiri.

RPS ini telah divalidasi pada tanggal 24 September 2024

Koordinator Program Studi S1  
Keperawatan



WIWIN SULISTYAWATI  
NIDN 0728038605

UPM Program Studi S1  
Keperawatan



NIDN 0721018905

File PDF ini digenerate pada tanggal 6 Desember 2025 Jam 18:08 menggunakan aplikasi RPS-OBE SiDia Unesa

