**JADWAL KULIAH**

**FILSAFAT ILMU**

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| Hari/Tanggal | Jam | Urutan Kuliah | Pokok Bahasan | Sub Pokok Bahasan | Dosen | Tandatangan |
| Rabu,  5 September 2018 | 08.00-08.50  08.50-09.40 | Filsafat Ilmu (1)  Filsafat Ilmu (2) | Pengantar Filsafat | Ruang lingkup, objek filsafat, cabang filsafat, Epistemo, Logika Kritik Ilmu, Metafisika Umum, Etika. | Prof. Totok Agung, PhD |  |
| Rabu,  19 September 2018 | 08.00-08.50  08.50-09.40 | Filsafat Ilmu (3)  Filsafat Ilmu (4) | Paradigma dan Landasan Ilmu | Hubungan etika dan ilmu, Apa itu landasan ilmiah, sumber-sumber ilmu, keilmuan dan keilmiahan. | Prof. Totok Agung, PhD |  |
| Rabu,  3 Oktober 2018 | 08.00-08.50  08.50-09.40 | Filsafat Ilmu (5)  Filsafat Ilmu (6) | Ilmu Pengetahuan dan Filsafat | Ilmu Pengetahuan dan Kebudayaan, Ilmu Pengetahuan dan Teknologi, Teknologi dan Dampak Kebudayaannya,Strategi pengembangan ilmu di Indonesia, Etika ilmu di Indonesia. | Dr.dr.Pugud Samodro,Sp.PD. |  |
| Rabu,  17 Oktober 2018 | 08.00-08.50  08.50-09.40 | Filsafat Ilmu (7)  Filsafat Ilmu (8) | Tanggung Jawab Moral Keilmuan | Komponen komponen pembangun ilmu, Sumber sumber ilmu, Etika keilmuan, Sikap ilmuwan, kesadaran moral | Dr.dr.Muhamad Rifky Setyanto,Sp.M. |  |
| Rabu,  7 November 2018 | 08.00-08.50  08.50-09.40 | Filsafat Ilmu (9)  Filsafat Ilmu (10) | Filsafat ilmu kesehatan | Pengertian filsafat kedokteran, Filsafat Ilmu kedokteran, Objek Filsafat Ilmu kedokteran , Masalah dan probematik, Filsafat Ilmu kedokteran, Ruang Lingkup dan manfaat Filsafat Ilmu kedokteran | Dr.dr. Fitranto Arjadi,M.Kes |  |
| Rabu,  21 November 2018 | 08.00-08.50  08.50-09.40 | Filsafat Ilmu (11)  Filsafat Ilmu (12) | Filsafat Ilmu Kedokteran | Pengertian filsafat kedokteran, Filsafat Ilmu kedokteran, Objek Filsafat Ilmu kedokteran, Masalah dan probematik, Filsafat Ilmu kedokteran, Ruang Lingkup dan manfaat Filsafat Ilmu kedokteran. | Dr.dr.Eman Sutrisna,M.Kes. |  |
| Rabu,  5 Desember 2018 | 08.00-08.50  08.50-09.40 | Filsafat Ilmu (13)  Filsafat Ilmu (14) | Strategi Pengembangan Ilmu Kdkteran | Tujuan ilmu kedokteran, Sumber daya ilmu kedoktern, strategi dan etika ilmu kedokteran | Dr.dr.V.M. Wahyu Siswandari,Sp.PK.,M.Si.Med. |  |

**JADWAL KULIAH**

**METODOLOGI PENELITIAN DAN STASTIKA**

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| Hari/Tanggal | Jam | Urutan Kuliah | Pokok Bahasan | Sub Pokok Bahasan | Dosen | Tandatangan |
| Rabu,  5 September 2018 | 13.00-13.50  13.50-14.40 | Metopen (1)  Metopen (2) | Kontrak pembelajaran dan Pendahuluan | Filsafat Penelitian metode ilmiah | Prof. Totok Agung, PhD |  |
| Rabu,  11 September 2018 | 13.00-13.50  13.50-14.40 | Metopen (3)  Metopen (4) | Masalah dan tujuan penelitian, Hipotesis | Identifikasi Masalah Penelitian, Perumusan masalah penelitian, Perumusan Tujuan Penelitian, Penyusunan Hipotesis | Dr.dr.Dwi Utami Anjarwati, M.Kes. |  |
| Rabu,  19 September 2018 | 13.00-13.50  13.50-14.40 | Metopen (5)  Metopen (6) | Review Pustaka dan Kerangka Teoritis | Penelusuran Pustaka, Penyusunan Kerangka Teori, Penyusunan Kerangka Konsep | Dr.dr.Pugud Samodro,Sp.PD. |  |
| Rabu,  26 September 2018 | 13.00-13.50  13.50-14.40 | Metopen (7)  Metopen (8) | Populasi, Sampel dan Sampling | Pengertian populasi dan sampel, Perhitungan besar sampel, Metode sampling | Dr.dr.Nendyah Roestijawati,M.KK. |  |
| Rabu,  3 Oktober 2018 | 13.00-13.50  13.50-14.40 | Metopen (9)  Metopen (10) | Rancangan Penelitian Observasional | Rancangan Penelitian deskriptif, Rancangan Penelitian analitik : cross sectional, case control. cohort | Dr.dr.V.M. Wahyu Siswandari,Sp.PK.,M.Si.Med. |  |
| Rabu,  10 Oktober 218 | 13.00-13.50  13.50-14.40 | Metopen (11)  Metopen (12) | Rancangan Penelitian Eksperimental | Rancangan Penelitian Eksperimental Semu Rancangan Penelitian Eksperimental Murni | Dr.dr.Dody Novrial, M.Si.Med.,Sp.PA. |  |
| Rabu,  17 Oktober 2018 | 13.00-13.50  13.50-14.40 | Metopen (13)  Metopen (14) | Biostatistik dan analisis data kuantitatif | Teknik pengumpulan data dan Analisis data | Dr. Arih Diyaning Intiasari, SKM., M.P.H. |  |
| Rabu,  31 Oktober 2018 | 13.00-13.50  13.50-14.40 | Metopen (15)  Metopen (16) | Besar sample penelitian | Macam-macam besar sample penelitian kedokteran dan cara penentuannya. | Dr. Yulia Fauziah, S.Kep., M.Sc. |  |
| Rabu,  7 November 2018 | 13.00-13.50  13.50-14.40 | Metopen (17)  Metopen (18) | Variabel, parameter dan skala | Macam variabel, Pengukuran variabel | Dr.dr.Eman Sutrisna,M.Kes. |  |
| Rabu,  14 November 2018 | 13.00-13.50  13.50-14.40 | Metopen (19)  Metopen (20) | Reliabilitas dan Validitas | Pengertian validitas dan reliabilitas, Macam uji validitas dan reliabilitas | Dr.dr.Tutik Ida Rosanti, M.Kes. |  |
| Rabu,  21 November 2018 | 13.00-13.50  13.50-14.40 | Metopen (21)  Metopen (22) | Uji parametrik dan Non parametrik | Pengertian uji parametrik dan non parametrik, Macam uji parametrik dan non parametrik | Dr.dr.Qodri Santosa,M.Si.Med.,Sp.A. |  |
| Rabu,  28 November 2018 | 13.00-13.50  13.50-14.40 | Metopen (23)  Metopen (24) | Analisi Varian dan Multivariat Analisis | Konsep dasar analisis varian, Regresi linear sederhana, Regresi linear berganda | Dr.sc.hum.Budi Aji, SKM, M.Sc |  |
| Rabu,  5 Desember 2018 | 13.00-13.50  13.50-14.40 | Metopen (25)  Metopen (26) | Analisis Uji Kualitatif | Konsep, macam, dan cara uji penelitian kualitatif | Dr.sc.hum.Budi Aji, SKM, M.Sc |  |
| Rabu,  12 Desember 2018 | 13.00-13.50  13.50-14.40 | Metopen (27)  Metopen (28) | Studi kasus dan Time series | Metode analisis data kualitatif, Analisis time series | Dr. Rawuh Edi Priyono, M.Si. |  |

**JADWAL KULIAH**

**TEKNIK KOMUNIKASI ILMIAH**

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| Hari/Tanggal | Jam | Urutan Kuliah | Pokok Bahasan | Sub Pokok Bahasan | Dosen | Tandatangan |
| Kamis, 13 September 2018 | 08.00-08.50  08.50-09.40 | Tek.Kom.Ilmiah (1)  Tek.Kom.Ilmiah (2) | Kontrak belajar dan Mengapa harus publikasi | Urgensi, tujuan penulisan, manfaat penulisan. | Dr.dr.M.Mukhlis Rudi P., M.Kes.,M.Si.Med.,Sp.An. |  |
| Kamis,  27 September 2018 | 08.00-08.50  08.50-09.40 | Tek.Kom.Ilmiah (3)  Tek.Kom.Ilmiah (4) | Jenis karya tulis, jenis jenis publikasi | Original article, review article, comments, case report, meta analisis, brief communication. | Dr.dr.Qodri Santosa,M.Si.Med.,Sp.A. |  |
| Kamis,  11 Oktober 2018 | 08.00-08.50  08.50-09.40 | Tek.Kom.Ilmiah (5)  Tek.Kom.Ilmiah (6) | Menulis Original Article | *How to write original article*. | Dr.dr.Dwi Utami Anjarwati, M.Kes. |  |
| Kamis,  1 November 2018 | 08.00-08.50  08.50-09.40 | Tek.Kom.Ilmiah (7)  Tek.Kom.Ilmiah (8) | Klasifikasi jurnal ilmiah,Style gaya selingkung,Submit application, Plagiarism & Proper | Pemilihan jurnal, translation, proof reading, cara submit, cara handle submission, revisi, repostiory. | Dr. Norman Arie Prayoga, S.Pi., M. Si |  |
| Kamis,  15 November 2018 | 08.00-08.50  08.50-09.40 | Tek.Kom.Ilmiah (9)  Tek.Kom.Ilmiah (10) | Poster and oral presentastion | Menulis poster yang baik, design poster yang baik. | Dr.dr. Fitranto Arjadi,M.Kes |  |
| Kamis,  29 November 2018 | 08.00-08.50  08.50-09.40 | Tek.Kom.Ilmiah (11)  Tek.Kom.Ilmiah (12) | *Proposal for degree adn proposal for funding.* | Cara menulis proposal untuk degree dan funding. | Prof. Dr.-Ing. R. Wahyu Widanarto |  |
| Kamis,  6 Desember 2018 | 08.00-08.50  08.50-09.40 | Tek.Kom.Ilmiah (13)  Tek.Kom.Ilmiah (14) | Tulisan populer saintifik, *Reporting science news for public audiences* | Merubah konten original ke gaya populer | Dr.dr.Lantip Rujito |  |

**JADWAL KULIAH**

**ETIKA BIOMEDIS**

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| Hari/Tanggal | Jam | Urutan Kuliah | Pokok Bahasan | Sub Pokok Bahasan | Dosen | Tandatangan |
| Selasa,  11 September 2018 | 08.00-08.50  08.50-09.40 | Etika Biomedis (1)  Etika Biomedis (2) | *Ethical Issues in Biotechnology 1* | *Interfering with Nature (Genetic Modified Organism), Stem Cell* | Dr.dr.Lantip Rujito,M.Si.Med. |  |
| Rabu,  26 September 2018 | 08.00-08.50  08.50-09.40 | Etika Biomedis (3)  Etika Biomedis (4) | *Ethical Issues in Biotechnology 2* | *Therapy and Enhancement, nformed Consent and Vulnerable Noncompetent People/Subject* | Dr.dr.Muhamad Rifky Setyanto,Sp.M. |  |
| Rabu,  10 Oktober 2018 | 08.00-08.50  08.50-09.40 | Etika Biomedis (5)  Etika Biomedis (6) | *Ethical Issues in Biotechnology 3* | *Privacy and Confidentiality in The New Biotechnology, Benefits and Harmin The New Biotechnology* | Dr.dr.Muhamad Rifky Setyanto,Sp.M. |  |
| Rabu,  31 Oktober 2018 | 08.00-08.50  08.50-09.40 | Etika Biomedis (7)  Etika Biomedis (8) | *Research Ethics 1* | *The Ethics of Human and Animal Experimentation* | Dr.dr.Dody Novrial, M.Si.Med.,Sp.PA. |  |
| Rabu,  14 November 2018 | 08.00-08.50  08.50-09.40 | Etika Biomedis (9)  Etika Biomedis (10) | *Research Ethics 2* | *Justice in Research* | Dr.dr.Pugud Samodro,Sp.PD. |  |
| Rabu,  28 November 2018 | 08.00-08.50  08.50-09.40 | Etika Biomedis (11)  Etika Biomedis (12) | *Research Ethics 3* | *Professional Responsibilities of Biomedical Scientist in Public Discourse* | Dr.dr.M.Mukhlis Rudi P., M.Kes.,M.Si.Med.,Sp.An. |  |
| Rabu,  12 Desember 2018 | 08.00-08.50  08.50-09.40 | Etika Biomedis (13)  Etika Biomedis (14) | *Research Ethics 4* | *Legislation Law and Code of Conduct on Clinical practice, and Use of Human or Animal in Experimentation* | Dr.dr.Gita Nawangtantrini Sp.PA.,M.Kes. |  |

**JADWAL KULIAH**

**BIOMEDIS TERAPAN**

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| Hari/Tanggal | Jam | Urutan Kuliah | Pokok Bahasan | Sub Pokok Bahasan | Dosen | Tandatangan |
| Kamis,  6 September 2018 | 08.00-08.50  08.50-09.40 | Biomedis Terapan (1)  Biomedis Terapan (2) | Pengantar Umum | Kontrak belajar, Sains dan Masyarakat, Definisi manajemen ilmu biomedis, Perkembangan penerapan ilmu biomedis dalam manajemen kesehatan di area rural. | Dr.dr.Nendyah Roestijawati,M.KK. |  |
| Kamis,  20 September 2018 | 08.00-08.50  08.50-09.40 | Biomedis Terapan (3)  Biomedis Terapan (4) | Karakteristik area rural | Definisi area rural, Karakteristik sosial dan demografi area rural, Masalah kesehatan di area rural. | Dr.dr.Gita Nawangtantrini Sp.PA.,M.Kes. |  |
| Kamis,  4 Oktober 2018 | 08.00-08.50  08.50-09.40 | Biomedis Terapan (5)  Biomedis Terapan (6) | Tantangan Relativisme Budaya | Penerimaan masyarakat terhadap perkembangan biomedis, dan pendekatan penyampaian dan penerapan ilmu biomedis kepada masyarakat yang disesuaikan dengan kondisi budaya setempat. | Dr.dr.Dwi Utami Anjarwati, M.Kes. |  |
| Kamis,  18 Oktober 2018 | 08.00-08.50  08.50-09.40 | Biomedis Terapan (7)  Biomedis Terapan (8) | Sistem pembiayaan dan informasi | Pembiayaan penerapan ilmu biomedis dalam pengembangan sistem kesehatan area rural. | Dr.dr.Eman Sutrisna,M.Kes. |  |
| Kamis,  8 November 2018 | 08.00-08.50  08.50-09.40 | Biomedis Terapan (9)  Biomedis Terapan (10) | Aksesibilitas penerapan ilmu biomedis di masyarakat | Akses dan keadilan penerapan ilmu biomedis dalam pengembangan sistem kesehatan area rural. | Dr.dr.V.M. Wahyu Siswandari,Sp.PK.,  M.Si.Med. |  |
| Kamis,  22 November 2018 | 08.00-08.50  08.50-09.40 | Biomedis Terapan (11)  Biomedis Terapan (12) | Organisasi dan kepemimpinan | Pengembangan organisasi dan manajerial dalam bidang kesehatan di area rural | Dr.dr.Dody Novrial, M.Si.Med.,Sp.PA. |  |
| Kamis,  6 Desember 2018 | 08.00-08.50  08.50-09.40 | Biomedis Terapan (13)  Biomedis Terapan (14) | Biomedis dan Sistem Pelayanan Terpadu | Pelayanan kesehatan paripurna, posisi ilmu biomedis dalam layanan kesehatan di indonesia | Dr. Yulia Fauziah, S.Kep., M.Sc. |  |

**JADWAL KULIAH**

**PATOBIOLOGI**

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| Hari/Tanggal | Jam | Urutan Kuliah | Pokok Bahasan | Sub Pokok Bahasan | Dosen | Tandatangan |
| Kamis,  6 September 2018 | 13.00-13.50  13.50-14.40 | Patobiologi (1)  Patobiologi (2) | Kontrak pembelajaran, Patobiologidan perkembangan nya | Kontrak pembelajaran, Konsep umum patobiologi, Pengantar nanobiologi | Dr.dr.Dody Novrial, M.Si.Med.,Sp.PA. |  |
| Kamis,  13 September 2018 | 13.00-13.50  13.50-14.40 | Patobiologi (3)  Patobiologi (4) | Adaptasi seluler | Jejas sel, Adaptasi sel, Kematian sel | Dr.dr.Gita Nawangtantrini Sp.PA.,M.Kes. |  |
| Kamis,  20 September 2018 | 13.00-13.50  13.50-14.40 | Patobiologi (5)  Patobiologi (6) | Inflamasi | Inflamasi akut dan Inflamasi kronis, Mediator inflamasi, Efek sistemik inflamasi | Dr.dr.Gita Nawangtantrini Sp.PA.,M.Kes. |  |
| Kamis,  27 September 2018 | 13.00-13.50  13.50-14.40 | Patobiologi (7)  Patobiologi (8) | *Tissue repair, regeneration, healing and fibrosis* | *The control of cell proliferation, The nature and mechanism of action of growth factors Extracellular, matrix and cell, matrix interaction, Cell and tissue regeneration, Pathologic aspect* | Dr.dr.Dody Novrial, M.Si.Med.,Sp.PA. |  |
| Kamis,  4 Oktober 2018 | 13.00-13.50  13.50-14.40 | Patobiologi (9)  Patobiologi (10) | Gangguan hemodinamik thrombosis dan syok | Edema Hiperemi dan kongesti Hemorraghi Homeostasis dan thrombosis Emboli, infarkdan syok | Dr.dr.V.M. Wahyu Siswandari,Sp.PK.,M.Si.Med. |  |
| Kamis,  11 Oktober 2018 | 13.00-13.50  13.50-14.40 | Patobiologi (11)  Patobiologi (12) | Imunopatologi | *Innate and adaptive immunity, Cells and tissue of immune system, Normal immune response, Hypersensitivity Autoimmune disease Immunodeficiency Nomenclature* | Dr.dr.V.M. Wahyu Siswandari,Sp.PK.,M.Si.Med. |  |
| Kamis,  18 Oktober 2018 | 13.00-13.50  13.50-14.40 | Patobiologi (13)  Patobiologi (14) | Neoplasia | Nomenclature Karakteristik neoplasma, Epidemiologi Karsinogenesis, Etiologi kanker, Tumor immunity, Aspek klinik neoplasia | Dr.dr.Dody Novrial, M.Si.Med.,Sp.PA. |  |
| Kamis,  1 November 2018 | 13.00-13.50  13.50-14.40 | Patobiologi (15)  Patobiologi (16) | Gangguan pertumbuhan | Anomali kongenital, Infeksi perinatal, Prematuritas dan Restriksi pertumbuhan, Respiratory distress syndrome, Tumor of infancy and childhood | Dr.dr.Gita Nawangtantrini Sp.PA.,M.Kes. |  |
| Kamis,  8 November 2018 | 13.00-13.50  13.50-14.40 | Patobiologi (17)  Patobiologi (18) | Environmental and nutritional diseases | General mechanisms of toxicity Environmental pollution, Effects of tobacco, Effects of alcohol, Injury by drugs, Injury by physical agents, Nutritional diseases | Dr.dr.Dody Novrial, M.Si.Med.,Sp.PA. |  |
| Kamis,  12 November 2018 | 13.00-13.50  13.50-14.40 | Patobiologi (19)  Patobiologi (20) | Infeksi | Konsep dan mekanisme infeksi Klasifikasi infeksi Faktor yang berpengaruh pada mekanisme dan penyembuhan infeksi | Dr.dr.V.M. Wahyu Siswandari,Sp.PK.,M.Si.Med. |  |
| Kamis,  22 November 2018 | 13.00-13.50  13.50-14.40 | Patobiologi (21)  Patobiologi (22) | Prinsip-prinsip pemeriksaan cairan tubuh | Prinsip pemeriksaan RIA, Prinsip pemeriksaan ELISA , Prinsip pemeriksaan elektroforesis | Dr.dr.V.M. Wahyu Siswandari,Sp.PK.,M.Si.Med. |  |
| Kamis,  29 November 2018 | 13.00-13.50  13.50-14.40 | Patobiologi (23)  Patobiologi (24) | Prinsip-prinsip pemeriksaan sel dan jaringan | Prinsip pemeriksaan histopatologi, Prinsip pemeriksaan sitology, Prinsip pemeriksaan imunohistokimia dan imunositokimia, Prinsip pemeriksaan FISH | Dr.dr.Gita Nawangtantrini Sp.PA.,M.Kes. |  |

**JADWAL KULIAH**

**BIOSEL DAN ILMU GENETIKA**

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| Hari/Tanggal | Jam | Urutan Kuliah | Pokok Bahasan | Sub Pokok Bahasan | Dosen | Tandatangan |
| Rabu,  5 September 2018 | 09.40-10.30  10.30-11.20  11.20-12.10 | Biosel & Genetika (1)  Biosel & Genetika (2)  Biosel & Genetika (3) | *Introduction to The Cell* | *Cells and organela cell functions, Membrane Structure, The Cytoskeleton* | Dr. Daniel Joko Wahyono, M.Biomed. |  |
| Selasa,  11 September 2018 | 09.40-10.30  10.30-11.20  11.20-12.10 | Biosel & Genetika (4)  Biosel & Genetika (5)  Biosel & Genetika (6) | *Basic Genetic Mechanism* | *DNA, Chromosomes, and Genome, - DNA Replication, Repair, and Recombination, - How Cells Read the Genome: From DNA to Protein, - Control of Gene Expression* | Dr. Daniel Joko Wahyono, M.Biomed. |  |
| Rabu,  19 September 2018 | 09.40-10.30  10.30-11.20  11.20-12.10 | Biosel & Genetika (7)  Biosel & Genetika (8)  Biosel & Genetika (9) | *Internal Organization of The Cell* | *Mechanisms of Cell Communication, The Cell Cycle, Apoptosis and Necrosis* | Dr. Saryono, S.Kp., M.Kes. |  |
| Rabu,  26 September 2018 | 09.40-10.30  10.30-11.20  11.20-12.10 | Biosel & Genetika (10)  Biosel & Genetika (11)  Biosel & Genetika (12) | Mutasi | Mutasi, DNA repair, Delesi dan insersi, *Human genetic diversity*, - Konsep dari genetik polimorfisme, - SNP, Genotip dan fenotip dalam populasi | Dr. Saryono, S.Kp., M.Kes. |  |
| Rabu,  3 Oktober 2018 | 09.40-10.30  10.30-11.20  11.20-12.10 | Biosel & Genetika (13)  Biosel & Genetika (14)  Biosel & Genetika (15) | Klasifikasi penyakit genetik | Prinsip genetika dalam medis, Aplikasi genetika dalam medik : *genetic disorders, single gene disorders, chromosome disorders, Poligenik disorder* | Dr.dr.Lantip Rujito,M.Si.Med. |  |
| Rabu,  10 Oktober 2018 | 09.40-10.30  10.30-11.20  11.20-12.10 | Biosel & Genetika (16)  Biosel & Genetika (17)  Biosel & Genetika (18) | Nutrigenomik | *Gene-nutrient interaction, Nutrient Modify Gene Expression, Genetic Variants Affect Nutrient’s Metabolism &Applications* : nutrisi mempengaruhi ekspresi gen, nutrisi enyebabkan penyakit pada individu tertentu, interaksi genetik nutrisi pada individu, nutrisi | Dr. dra. Hernayanti, M.Kes. |  |
| Rabu,  17 Oktober 2018 | 09.40-10.30  10.30-11.20  11.20-12.10 | Biosel & Genetika (19)  Biosel & Genetika (20)  Biosel & Genetika (21) | Farmakogenomik | *Drug-gene interaction, Gene to drug metabolism, Personalized drug genomik* | Dr.dr.Eman Sutrisna,M.Kes |  |
| Rabu,  31 Oktober 2018 | 09.40-10.30  10.30-11.20  11.20-12.10 | Biosel & Genetika (22)  Biosel & Genetika (23)  Biosel & Genetika (24) | *Genetic Screening and Genetic Testing* | Klasifikasi tes genetik, Klasifikasi genetic screening, Macam2 genetic testing, penyakit dengan genetic testing | Dr.dr.Lantip Rujito,M.Si.Med. |  |
| Rabu,  7 November 2018 | 09.40-10.30  10.30-11.20  11.20-12.10 | Biosel & Genetika (25)  Biosel & Genetika (26)  Biosel & Genetika (27) | Prenatal Diagnosis | Sampling darah maternal, - *Amniosintesis, - Chorionic villous , sampling (CVS), - Cordocentesis, - Ultrasonography (USG),* - Embrio biopsi | Dr.dr.Lantip Rujito,M.Si.Med. |  |
| Rabu,  14 November 2018 | 09.40-10.30  10.30-11.20  11.20-12.10 | Biosel & Genetika (28)  Biosel & Genetika (29)  Biosel & Genetika (30) | Perkembangan terapi genomik terkini | *Cloning, Gene Therapy, Gen Editing, Stem Cell* | Dr. Yulia Fauziah, S.Kep., M.Sc. |  |
| Rabu,  21 November 2018 | 09.40-10.30  10.30-11.20  11.20-12.10 | Biosel & Genetika (31)  Biosel & Genetika (32)  Biosel & Genetika (33) | *Introduction to The Cell (*Praktikum) | *Cells and organela cell functions, Membrane Structure, The Cytoskeleton* | Dr.dr.Gita Nawangtantrini, Sp.PA.,M.Kes. |  |
| Rabu,  28 November 2018 | 09.40-10.30  10.30-11.20  11.20-12.10 | Biosel & Genetika (34)  Biosel & Genetika (35)  Biosel & Genetika (36) | Apoptosis dan Necrosis (praktikum) | *Cells and organela cell functions, Membrane Structure, The Cytoskeleton* | Dr.dr.Gita Nawangtantrini, Sp.PA.,M.Kes. |  |
| Rabu,  5 Desember 2018 | 09.40-10.30  10.30-11.20  11.20-12.10 | Biosel & Genetika (37)  Biosel & Genetika (38)  Biosel & Genetika (39) | *Basic Genetic Mechanism* (Praktikum Karyotyping) I | Kromosom dan kromosomal aberation | Dr. Yulia Fauziah, S.Kep., M.Sc. |  |
| Rabu,  12 Desember 2018 | 09.40-10.30  10.30-11.20  11.20-12.10 | Biosel & Genetika (40)  Biosel & Genetika (41)  Biosel & Genetika (42) | Basic Genetic Mechanism (Praktikum Karyotyping) II | Kromosom dan kromosomal aberation | Dr.dr.Lantip Rujito,M.Si.Med. |  |

**JADWAL KULIAH**

**IMMUNOLOGI**

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| Hari/Tanggal | Jam | Urutan Kuliah | Pokok Bahasan | Sub Pokok Bahasan | Dosen | Tandatangan |
| Jumat,  7 September 2018 | 08.00-08.50  08.50-09.40 | Immunologi (1)  Immunologi (2) | *An Introduction To Immunology* | *Components of the immune system and its fuction; Role of the lymphocyte function and its distribution; The basic concept of immunology; Specific and non-specific immune responses* | Dr.dr.V.M. Wahyu Siswandari,Sp.PK.,M.Si.Med. |  |
| Jumat,  14 September 2018 | 08.00-08.50  08.50-09.40 | Immunologi (3)  Immunologi (4) | *Innate Immunity* | *Innate Immunity:The front line of host defense; The complement system and innate immunity; Receptors of the innate immune system; Induced innate responses to infection* | Dr.dr.V.M. Wahyu Siswandari,Sp.PK.,M.Si.Med. |  |
| Jumat,  21 September 2018 | 08.00-08.50  08.50-09.40 | Immunologi (5)  Immunologi (6) | *Recognition of antigen* | *Antigen Recognition by B cell and T-cell Receptors; The structure of a typical antibody molecule; The interaction of the antibody molecule with specific antigen; Antigen recognition by T cells.* | Dr.dr.Tutik Ida Rosanti,M.Kes. |  |
| Jumat,  28 September 2018 | 08.00-08.50  08.50-09.40 | Immunologi (7)  Immunologi (8) | *Recognition of antigen* | *The Generation of Lymphocyte Antigen Receptors; The generation of diversity in immunoglobulins; T-cell receptor gene rearrangement; Structural variation in immunoglobulin constant regions.* | Dr.dr.Tutik Ida Rosanti,M.Kes. |  |
| Jumat,  5 Oktober 2018 | 08.00-08.50  08.50-09.40 | Immunologi (9)  Immunologi (10) | *Recognition of antigen* | *Antigen Presentation to T Lymphocytes; The generation of T-cell receptor ligands; The major histocompatibility complex and its functions.* | Dr.dr.Tutik Ida Rosanti,M.Kes. |  |
| Jumat,  12 Oktober 2018 | 08.00-08.50  08.50-09.40 | Immunologi (11)  Immunologi (12) | *The Development of Mature Lymphocyte Receptor Repertoires* | *Signaling Through Immune System Receptors; General principles of transmembrane signaling; Antigen receptor structure and signaling pathways; Other signaling pathways that contribute to lymphocyte behavior* | Dr.dr.Tutik Ida Rosanti, M.Kes. |  |
| Jumat,  19 Oktober 2018 | 08.00-08.50  08.50-09.40 | Immunologi (13)  Immunologi (14) | *The Development of Mature Lymphocyte Receptor Repertoires* | *The Development and Survival of Lymphocytes; Generation of lymphocytes in bone marrow and thymus; The rearrangement of antigen-receptor gene segments controls lymphocyte development.* | Dr.dr.Tutik Ida Rosanti, M.Kes. |  |
| Jumat,  2 November 2018 | 08.00-08.50  08.50-09.40 | Immunologi (15)  Immunologi (16) | *The Development of Mature Lymphocyte Receptor Repertoires* | *Interaction with self antigens selects some lymphocytes for survival but eliminates others; Survival and maturation of lymphocytes in peripheral lymphoid tissues.* | Dr.dr.Tutik Ida Rosanti, M.Kes. |  |
| Jumat,  9 November 2018 | 08.00-08.50  08.50-09.40 | Immunologi (17)  Immunologi (18) | *The Adaptive Immune Responses* | *T Cell-Mediated Immunity; The production of armed effector T cells; General properties of armed effector T cells; T cell-mediated cytotoxicity; Macrophage activation by armed CD4 TH1 cells* | Dr.dr.V.M. Wahyu Siswandari,Sp.PK.,M.Si.Med. |  |
| Jumat,  16 November 2018 | 08.00-08.50  08.50-09.40 | Immunologi (19)  Immunologi (20) | *The Adaptive Immune Responses* | *The Humoral Immune Response; B-cell activation by armed helper T cells; The distribution and functions of immunoglobulin isotypes; The destruction of antibody-coated pathogens via Fc receptors.* | Dr.dr.V.M. Wahyu Siswandari,Sp.PK.,M.Si.Med. |  |
| Jumat,  23 November 2018 | 08.00-08.50  08.50-09.40 | Immunologi (21)  Immunologi (22) | *The Adaptive Immune Responses* | *Adaptive Immunity to Infection; Infectious agents and how they cause disease; The course of the adaptive response to infection; The mucosal immune system; Immunological memory* | Dr.dr.V.M. Wahyu Siswandari,Sp.PK.,M.Si.Med. |  |
| Jumat,  30 November 2018 | 08.00-08.50  08.50-09.40 | Immunologi (23)  Immunologi (24) | *The Immune System in Health and Disease* | *Failures of Host Defense Mechanisms; Pathogens have evolved various means of evading or subverting normal host defenses; Inherited immunodeficiency diseases; Acquired immune deficiency syndrome; Allergy and Hypersensitivity; Effector mechanisms in allergic reactions; The production of IgE.* | Dr. dr. Anton Budi Dharmawan, Sp.THT. |  |
| Jumat,  7 Desember 2018 | 08.00-08.50  08.50-09.40 | Immunologi (25)  Immunologi (26) | *The Immune System in Health and Disease* | *Autoimmunity and Transplantation; Autoimmune responses are directed against self antigens; Responses to alloantigens and transplant rejection; Self-tolerance and its loss; Immune responses in endocrine diseases.* | Dr.dr.Pugud Samodro,Sp.PD. |  |
| Jumat,  14 Desember 2018 | 08.00-08.50  08.50-09.40 | Immunologi (27)  Immunologi (28) | *The Immune System in Health and Disease* | *Manipulation of the Immune Response; Extrinsic regulation ofunwanted immune responses; Using the immune response to attack tumors; Immune response in infection diseases.* | Dr.dr.V.M. Wahyu Siswandari,Sp.PK.,M.Si.Med. |  |

**JADWAL KULIAH**

**TEKNIK ANALISIS RISET**

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| Hari/Tanggal | Jam | Urutan Kuliah | Pokok Bahasan | Sub Pokok Bahasan | Dosen | Tandatangan |
| Jumat,  7 September 2018 | 09.40-10.30  10.30-11.20 | Teknik Analisis Riset (1)  Teknik Analisis Riset (2) | Pengantar instrumentasi | Proses dalam penelitian biomedis; Metode dan metodologi penelitian; Metode validasi; Etika penelitian. | Dr.dr.V.M. Wahyu Siswandari,Sp.PK.,M.Si.Med. |  |
| Jumat,  14 September 2018 | 09.40-10.30  10.30-11.20 | Teknik Analisis Riset (3)  Teknik Analisis Riset (4) | Hewan, model dalam penelitian biomedis | Prinsip etika hewan penelitian kesehatan; Pertimbangan memilih hewan coba; Jenis model hewan. | Dr.dr.Eman Sutrisna,M.Kes. |  |
| Jumat,  21 September 2018 | 09.40-10.30  10.30-11.20 | Teknik Analisis Riset (5)  Teknik Analisis Riset (6) | Mikroskop dan mikroteknik | Preparasi sampel; *Fixation; Embedding; Sectioning; Staining; Mounting; Observation*. *Immunosatining*. | Dr.dr. Gita Nawangtantrini Sp.PA.,M.Kes. |  |
| Jumat,  28 September 2018 | 09.40-10.30  10.30-11.20 | Teknik Analisis Riset (7)  Teknik Analisis Riset (8) | Kultur sel | Definisi kultur sel; Kelebihan dan kekurangan; Macam kultur jaringan  Teknik melakukan kultur sel; Evaluasi kultur sel. | Dr.dr.Dwi Utami Anjarwati, M.Kes.(dr. Joko setyono, MSc) |  |
| Jumat,  5 Oktober 2018 | 09.40-10.30  10.30-11.20 | Teknik Analisis Riset (9)  Teknik Analisis Riset (10) | Deteksi dan pengukuran respon | Tujuan pemeriksaan imun seluler; Teknik pemeriksaan pengukuran: isolasi limposit, identifikasi populasi limfosit, respon limfoproliferatif, karakteristik limfosit spesifik, jumlah dan fungsinya. | Dr.dr.V.M. Wahyu Siswandari,Sp.PK.,M.Si.Med. |  |
| Jumat,  12 Oktober 2018 | 09.40-10.30  10.30-11.20 | Teknik Analisis Riset (11)  Teknik Analisis Riset (12) | Teknik analisa protein 1 | Prinsip pemeriksaan ELISA , RIA;. Tipe tipe ELISA, RIA; Teknik ELISA, RIA. | Dr.dr.Lantip Rujito,M.Si.Med. |  |
| Jumat,  19 Oktober 2018 | 09.40-10.30  10.30-11.20 | Teknik Analisis Riset (13)  Teknik Analisis Riset (14) | Teknik analisa protein 2 | Pinsip blotting; Tipe-tipe blotting; Teknik blotting; | Dr. dr. Dwi Utami Anjarwati |  |
| Jumat,  2 November 2018 | 09.40-10.30  10.30-11.20 | Teknik Analisis Riset (15)  Teknik Analisis Riset (16) | Kromatografi | Definisi dan prinsip kromatografi; Metode-metode dalam kromatografi; Teknik kromatografi. | Dadan Hermawan,S.Si, MSi, Ph.D. |  |
| Jumat,  9 November 2018 | 09.40-10.30  10.30-11.20 | Teknik Analisis Riset (17)  Teknik Analisis Riset (18) | HPLC | Definisi dan prinsip HPLC; Macam Pemeriksaan HPLC untuk bidang kedokteran dan Kesehatan; Kelebihan dan kekurangan HPLC; Komponen HPLC; Teknik HPLC. | Dadan Hermawan,S.Si, MSi, Ph.D. |  |
| Jumat,  16 November 2018 | 09.40-10.30  10.30-11.20 | Teknik Analisis Riset (19)  Teknik Analisis Riset (20) | Isolasi DNA dan RNA | Prinsip ekstraksi DNA dan RNA; Metode ekstraksi DNA dan RNA; Pengukuran kualitas DNA dan RNA; Penyimpanan DNA dan RNA. | Dr. Daniel Joko Wahyono, M.Biomed. |  |
| Selasa,  23 November 2018 | 09.40-10.30  10.30-11.20 | Teknik Analisis Riset (21)  Teknik Analisis Riset (22) | PCR dan Sekuensing DNA | Prinsip dasar dan teknik PCR; Jenis PCR dan Aplikasi menggunakan PCR; Prinsip DNA sekuensing; Metode DNA sekuensing. | Dr. Hernayanti, M.Si. |  |
| Jumat,  30 November 2018 | 09.40-10.30  10.30-11.20 | Teknik Analisis Riset (23)  Teknik Analisis Riset (24) | DNA dan RNA (Praktikum ) | Prinsip ekstraksi DNA dan RNA; Metode ekstraksi DNA dan RNA; Pengukuran kualitas DNA dan RNA; Penyimpanan DNA dan RNA. | Dr. Yulia Fauziah, S.Kep., M.Sc. |  |
| Jumat,  7 Desember 2018 | 09.40-10.30  10.30-11.20 | Teknik Analisis Riset (25)  Teknik Analisis Riset (26) | PCR Dan sekuensing DNA (Praktikum) | Prinsip dasar dan teknik PCR; Jenis PCR dan Aplikasi menggunakan PCR; Prinsip DNA Sekuensing; Metode DNA sekuensing. | Dr. Yulia Fauziah, S.Kep., M.Sc. |  |
| Jumat,  14 Desember 2018 | 09.40-10.30  10.30-11.20 | Teknik Analisis Riset (27)  Teknik Analisis Riset (28) | ELISA (Praktikum) | Prinsip ELISA, Analisis ELISA, Interpretasi ELISA. | Dr.dr.Lantip Rujito,M.Si.Med. |  |

**JADWAL KULIAH**

**MIKROBIOLOGI-PARASITOLOGI**

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| Hari/Tanggal | Jam | Urutan Kuliah | Pokok Bahasan | Sub Pokok Bahasan | Dosen | Tandatangan |
| Kamis,  6 September 2018 | 09.40-10.30  10.30-11.20 | Mikrobiologi-Parasitologi (1)  Mikrobiologi-Parasitologi (2) | The Microbial Cell | *Cell Structure and Function; Bacterial Culture, Growth, and Development; Bacterial Culture, Growth, and Development.* | Dr.dr.Dwi Utami Anjarwati, M.Kes. |  |
| Selasa,  13 September 2018 | 09.40-10.30  10.30-11.20 | Mikrobiologi-Parasitologi (3)  Mikrobiologi-Parasitologi (4) | Metabolisme dan biokimia | *Energetics and Catabolism; Respiration, Lithotrophy, and Photolysis; Biosynthesis.* | Dr.dr.Dwi Utami Anjarwati, M.Kes. |  |
| Kamis,  20 September 2018 | 09.40-10.30  10.30-11.20 | Mikrobiologi-Parasitologi (5)  Mikrobiologi-Parasitologi (6) | *Gene and Genomes* | *Genomes and Chromosomes; Transcription, translation, and Bioinformatics; Gene transfer, mutations and Genome Evolution; Molecular Regulation.* | Siwi Pratama Mars Wijayanti, S.Si, M.Kes., PhD |  |
| Kamis,  27 September 2018 | 09.40-10.30  10.30-11.20 | Mikrobiologi-Parasitologi (7)  Mikrobiologi-Parasitologi (8) | *Gene and Genomes* | *Viral Molecular Biology; Molecular Techniques and Biotechnology.* | Siwi Pratama Mars Wijayanti, S.Si, M.Kes., PhD |  |
| Kamis,  4 Oktober 2018 | 09.40-10.30  10.30-11.20 | Mikrobiologi-Parasitologi (9)  Mikrobiologi-Parasitologi (10) | *Medical Microbiology* | *Microbial patogenesis; Microbial Diseases.* | Dr.dr.Dwi Utami Anjarwati, M.Kes. |  |
| Kamis,  11 Oktober 2018 | 09.40-10.30  10.30-11.20 | Mikrobiologi-Parasitologi (11)  Mikrobiologi-Parasitologi (12) | *Clinical Microbiology and Epidemiology* | *Princip of Clinical microbiology; Approach to pathogen identification; Clinical specimen handling; Prinsip of Epidemiology* | Dr.dr.Dwi Utami Anjarwati, M.Kes. |  |
| Kamis,  18 Oktober 2018 | 09.40-10.30  10.30-11.20 | Mikrobiologi-Parasitologi (13)  Mikrobiologi-Parasitologi (14) | *Microbiology Research Update* | *Antibiotic resistance; Research Central Topic.* | Dr.dr.Dwi Utami Anjarwati, M.Kes. |  |
| Kamis,  1 November 2018 | 09.40-10.30  10.30-11.20 | Mikrobiologi-Parasitologi (15)  Mikrobiologi-Parasitologi (16) | Agen Parasit | Agen Parasit | Dr.dr.Tutik Ida Rosanti, M.Kes. |  |
| Kamis,  8 November 2018 | 09.40-10.30  10.30-11.20 | Mikrobiologi-Parasitologi (17)  Mikrobiologi-Parasitologi (18) | Biologi Parasit I | *Parasites and parasitism; The nature of parasitism; Parasites effect upon the host; Host-parasites reaction; Helmint, protoza dan arthropoda.* | Dr.dr.Tutik Ida Rosanti, M.Kes. |  |
| Kamis,  15 November 2018 | 09.40-10.30  10.30-11.20 | Mikrobiologi-Parasitologi (19)  Mikrobiologi-Parasitologi (20) | Biologi Parasit II | *Parasites and parasitism; The nature of parasitism; Parasites effect upon the host; Host-parasites reaction; Helmint, protoza dan arthropoda.* | Dr.dr.Tutik Ida Rosanti, M.Kes. |  |
| Kamis,  22 November 2018 | 09.40-10.30  10.30-11.20 | Mikrobiologi-Parasitologi (21)  Mikrobiologi-Parasitologi (22) | *Host response* | *antigen-antibodi Plasmodium sp, Filaria* | Dr.dr.Tutik Ida Rosanti, M.Kes. |  |
| Kamis,  29 November 2018 | 09.40-10.30  10.30-11.20 | Mikrobiologi-Parasitologi (23)  Mikrobiologi-Parasitologi (24) | Teknik Laboratorium Penunjang (Praktikum Parasit) | Pemeriksaan sediaan darah malaria dan filaria; Teknik isolasi larva filaria; Kultur larva filaria dan isolasi antigen ekskretori sekretori Brugia malayi; Isolasi dan kultur sel makrofag. | Dr.dr.Tutik Ida Rosanti, M.Kes. |  |
| Kamis,  6 Desember 2018 | 09.40-10.30  10.30-11.20 | Mikrobiologi-Parasitologi (25)  Mikrobiologi-Parasitologi (26) | Teknik Laboratorium Penunjang (Praktikum Mikro) | AST*; Microtiter plate biofilm assay.* | Dr.dr.Dwi Utami Anjarwati, M.Kes. |  |
| Kamis,  13 Desember 2018 | 09.40-10.30  10.30-11.20 | Mikrobiologi-Parasitologi (27)  Mikrobiologi-Parasitologi (28) | Teknik Laboratorium Penunjang (Praktikum Molekuler) | PCR pada sampel Mikro-Parasit | Siwi Pratama Mars Wijayanti, S.Si, M.Kes., PhD |  |