RANCANGAN PEMBELAJARAN SEMESTER



2026

TAHAP PENGAYAAN
METODOLOGI PENELITIAN, BIOSTATISTIK, KOMPUTER STATISTIK

PROGRAM STUDI
ILMU KESEHATAN ANAK

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TAHUN 2026

LEMBAR PENGESAHAN

Rancangan Pembelajaran Semester Tahap Pengayaan Program Pendidikan Dokter Spesialis Ilmu Kesehatan Anak Fakultas Kedokteran Universitas Sebelas Maret disahkan pada tanggal 30 September 2026.

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MP/KBIKA3 : Metodologi Penelitian, Biostatistik, Komputer Statistik	4
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Mata Kuliah Prasyarat	:			
Tanggal dibuat	: 30 September 2026	Perbaikan ke : 0		Tanggal Edit : 30 September 2026

Capaian Pembelajaran Lulusan (CPL) / Learning Outcome (LO) yang dibebankan pada Mata Kuliah	
Kode CPL /LO	**Unsur CPL /LO**
CP	1. Komunikasi efektif 2. Mempergunakan landasan ilmiah ilmu kedokteran dalam praktek 3. Diagnosis pengelolaan, pencegahan dan keselamatan pasien 4. Pengembangan profesi, kepribadian dan medikolegal 5. Pertimbangan moral, etika, dan profesionalisme 6. Pemecahan masalah dan riset
Capaian Pembelajaran Mata Kuliah (CPMK)	1. Mahasiswa memahami mengenai disain penelitian 2. Mahasiswa memahami mengenai populasi, sampel, teknik sampling, besar sampel 3. Mahasiswa memahami definisi operasional variabel penelitian 4. Mahasiswa memahami cara pengumpulan data 5. Mahasiswa memahami instrumen penelitian 6. Mahasiswa memahami Analisis data 7. Mahasiswa mampu memilih cara meringkas data kategorikal dan numeric 8. Mahasiswa mampu menggunakan uji-uji statistic inferensial untuk melakukan pengambilan keputusan berdasarkan data 9. Mahasiswa mampu melakukan perhitungan besar sampel yang sesuai dengan desain penelitian
Bahan Kajian Keilmuan (Subject Matters)	1. Memberikan gambaran / ukuran mengenai status/karakter populasi 2. Untuk evaluasi program kesehatan 3. Untuk mengetahui hubungan/pengaruh antar variable dalam populasi 4. Memberikan gambaran / ukuran mengenai status/karakter populasi 5. Untuk evaluasi program kesehatan

	6. Untuk mengetahui hubungan/pengaruh antar variable dalam populasi Proses Penelitian: *a. Formulating a research problem* *b. Conceptualising a research design* *c. Constructing an instrument for data collection* *d. Selecting a sample* *e. Writing a research proposal* *f. Collecting data* *g. Processing data* *h. Writing a research report*
Deskripsi Mata Kuliah	Metode penelitian ditentukan sebagai cata untuk mencapai tujuan penelitian/menjawab penelitian. Biostatistik dalam bidang kesehatan dengan tujuan mengubah data menjadi informasi.
Basis Penilaian	a. Aktvitas Partisipatif (Case Method) = 0%
	b. Hasil Proyek (Team Based Project) = 0%
	c. Tugas = 0%
	d. Quis = 0%
	e. UTS = 0%
	f. UAS = 0%
Daftar Referensi	**Buku ajar**: 1. Kumar R. (1999). Research Methodology: a Step By Step Guide for Beginners. Sage Publication. 2. Concato, J, Shah, N, Horwitz, RI. 2000. Randomized, controlled trials, observational studies and the hierarchy of research designs. The New England Journal of Medicine, 342 (25), 1887-1892. 3. Eccles, M, Grimshaw, J, Campbell, M, & Ramsay, C. Research designs for studies evaluating the effectiveness of change and improvement strategies. *Qual Saf Health Care* 2003; 12: 47-52.

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Tahap	Kemampuan akhir/ Sub-CPMK (Kode CPL)	Materi Pokok	Referensi	Metode Pembelajaran		Waktu	Pengalaman Belajar	Penilaian*			
				Luring	Daring			Basis Penilaian	Teknik Penilaian	Indikator /kode CPL	Teknik penilaian /bobot
1	2	3	4	5	6	7	8	9	10	11	12
Pengayaan	1. Mahasiswa memahami mengenai desain penelitian 2. Mahasiswa memahami mengenai populasi, sampel, teknik sampling, besar sampel 3. Mahasiswa memahami definisi operasional variabel penelitian 4. Mahasiswa memahami cara pengumpulan data	1. Memberikan gambaran / ukuran mengenai status/karakter populasi 2. Untuk evaluasi program kesehatan 3. Untuk mengetahui hubungan/pengaruh antar variable dalam populasi 4. Memberikan gambaran / ukuran mengenai status /karakter populasi	**Buku ajar**: 1. Kumar R. (1999). Research Methodology: a Step By Step Guide for Beginners. Sage Publication. 2. Concato, J, Shah, N, Horwitz, RI. 2000. Randomized, controlled trials, observational	• Penanganan Pasien poliklinik • *Bed side teaching*	• Kuliah • Presentasi Kasus • Diskusi Kasus	6 Jam/ minggu	• Kuliah interaktif • Diskusi Kasus • Tutorial	Diskusi Kasus Ujian Tertulis	Diskusi Kasus Ujian Tertulis	PLO1 PLO3 PLO4 PLO6 PLO8 PLO9	100%

	5. Mahasiswa memahami instrumen penelitian 6. Mahasiswa memahami Analisis data 7. Mahasiswa mampu memilih cara meringkas data kategorikal dan numeric 8. Mahasiswa mampu menggunakan uji-uji statistic inferensial untuk melakukan pengambilan keputusan berdasarkan data 9. Mahasiswa mampu melakukan	5. Untuk evaluasi program kesehatanUntuk mengetahui hubungan/pengaruh antar variable dalam populasi Proses Penelitian: *1. Formulating a research problem* *2. Conceptualising a research design* *3. Constructing an instrument for data collection* *4. Selecting a sample* *5. Writing a research proposal*	studies and the hierarchy of research designs. The New England Journal of Medicine, 342 (25), 1887-1892. 3. Eccles, M, Grimshaw, J, Campbell, M, & Ramsay, C. Research designs for studies evaluating the effectiveness of change and								

	perhitungan besar sampel yang sesuai dengan desain penelitian	6. *Collecting data* 7. *Processing data* 8. *Writing a research report*	improvement strategies. *Qual Saf Health Care* 2003; 12: 47-52. 4. Kumar R. 1999. Research Methodology : a Step By Step Guide for Beginners. Sage Publication. 5. Petrie A, Sabin C. 2005. Medical Statistics at A Glance.								

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	RANCANGAN TUGAS **PROGRAM STUDI ILMU KESEHATAN ANAK** **FAKULTAS KEDOKTERAN** **UNIVERSITAS SEBELAS MARET**				
Identitas Mata Kuliah					
Kode Mata Kuliah	**:**	MP/KBIKA3	**Bentuk Tugas**	**:**	Refleksi kasus, Bed Side Teaching, Praktek Pengelolaan Pasien, Tugas Jaga, WBPA (Minicex,CbD, DOPS), Ujian
Nama Mata Kuliah	**:**	Metodologi Penelitian, Biostatistik, Komputer Statistik	**Waktu/Lama Pengerjaan**	**:**	6 Jam/ minggu
Bobot Mata Kuliah (sks)	**:**	1 SKS	**Judul Tugas**	**:**	Metodologi Penelitian, Biostatistik, Komputer Statistik
Semester	**:**	1	**Dosen Pengampu**	**:**	Prof. Dr. dr. Harsono Salimo, Sp.A(K) Prof. Dr. dr. Ari Probandari, MPH, PhD Dr. dr. Vitri Widyaningsih, M.S, PhD dr. Arsita Eka Prasetyawati, M.Kes dr. Kusumadewi Eka Damayanti, M.Gizi Dr. dr. Hari Wahyu N, Sp.A, Subsp.TKPS(K), M.Kes
CPMK	:	1. Mahasiswa mampu memahami mengenai disain penelitian 2. Mahasiswa mampu memahami mengenai populasi, sampel, teknik sampling, besar sampel 3. Mahasiswa mampu memahami definisi operasional variabel penelitian 4. Mahasiswa mampu memahami cara pengumpulan data			

		5. Mahasiswa mampu memahami instrumen penelitian 6. Mahasiswa mampu memahami Analisis data 7. Mahasiswa mampu memilih cara meringkas data kategorikal dan numeric 8. Mahasiswa mampu menggunakan uji-uji statistik inferensial untuk melakukan pengambilan keputusan berdasarkan data 9. Mahasiswa mampu melakukan perhitungan besar sampel yang sesuai dengan desain penelitian
Sub CPMK	:	1. Memahami mengenai disain penelitian 2. Memahami mengenai populasi, sampel, teknik sampling, besar sampel 3. Memahami definisi operasional variabel penelitian 4. Memahami cara pengumpulan data 5. Memahami instrumen penelitian 6. Memahami Analisis data 7. Memilih cara meringkas data kategorikal dan numeric 8. Menggunakan uji-uji statistic inferensial untuk melakukan pengambilan keputusan berdasarkan data 9. Melakukan perhitungan besar sampel yang sesuai dengan desain penelitian
Deskripsi Tugas	:	Metode penelitian ditentukan sebagai cata untuk mencapai tujuan penelitian/menjawab penelitian. Biostatistik dalam bidang kesehatan dengan tujuan mengubah data menjadi informasi.
Metode Pengerjaan Tugas	:	1. Refleksi kasus : 1 kasus x 5 hari x 5 minggu 2. Bed Side Teaching : 3 pasien x 5 hari x 5 minggu 3. Praktek Pengelolaan Pasien : 3 pasien x 5 hari x 6 minggu

		4. Tugas Jaga : 4 x 1,5 bulan 5. WBPA (Mini Cex, CbD, DOPS) 6. Ujian
Bentuk dan Format Luaran	:	Bentuk Luaran: Laporan Refleksi Kasus Format Luaran: 1. Skenario Kasus 2. Learning Objective 3. Hasil Diskusi
Indikator, Kriteria, Bobot Penilaian	:	**Rubrik Penilaian Diskusi (20%)**

No	Nama dan NIM Mahasiswa	Kemampuan untuk bekerjasama dalam kelompok								Kemampuan memilih informasi				Kemampuan untuk berpikir kritis dan melakukan analisis												Jumlah nilai
		Kemampuan menghargai orang lain *				Keaktifan / Kontribusi dalam kelompok *				Kualitas informasi*				Kemampuan untuk mendefinisikan / menyebutkan permasalahan *				Kemampuan membuat hubungan dari berbagai data / fakta*				Kemampuan Menganalisis dan mensintesis data / fakta*				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
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INSTRUKSI: *Berikan tanda ceklis (v) pada kolom SKOR yang sesuai*

NO	ITEM YANG DINILAI		SCORE	KETERANGAN
I	Kemampuan untuk bekerjasama dalam kelompok	a. Kemampuan menghargai orang lain	1	Selalu mendebat orang lain, tidak memberi kesempatan bicara pada orang lain, sering "menyerang"dan menjatuhkan pendapat orang lain, tidak mau menerima pendapat orang lain.
			2	Sering bicara sendiri , Sering tidak memberi perhatian ketika orang lain berbicara, tidak "menyerang" pendapat orang lain tetapi sering hanya mengiyakan pendapat orang lain.
			3	Secara umum mendengarkan pendapat orang lain, menggunakan bahasa yang tepat dan sopan, menunjukkan usaha untuk memahami / mengerti pendapat orang lain.
			4	Selalu mendengarkan pendapat orang lain dan menghargai pendapat orang lain. Menunjukkan usaha untuk memahami / mengerti pendapat orang lain.Tampak berusaha membantu orang lain agar dapat mengungkapkan pendapatnya , Tampak berusaha agar kelompoknya dapat mencapai suatu kesepakatan bersama
		b. Keaktifan / Kontribusi dalam kelompok	1	Tidak pernah memberikan informasi / pendapat walaupun sudah diberi dorongan
			2	Ikut memberikan informasi / pendapat tapi hanya saat diberi dorongan.
			3	Kadang – kadang ikut memberikan informasi / pendapat tanpa harus diberi dorongan.
			4	Selalu memberikan informasi / pendapat tanpa harus diberi dorongan.
II	Kemampuan mengumpulkan Informasi (*Information Literacy*)	a. Kualitas informasi	1	Memberikan informasi yang tidak ada hubungannya dengan topik yang sedang dibicarakan,atau hanya menyebutkan kembali topik utama yang sedang dibicarakan
			2	Memberikan informasi yang sedikit hubungannya dengan topik yang sedang dibicarakan
			3	Memberikan informasi yang jelas hubungannya dengan topik yang sedang dibicarakan
			4	Memberikan informasi yang sangat jelas hubungannya dengan topik yang sedang dibicarakan, dan mampu menambahkan konsep baru ataupun informasi baru
III	Kemampuan untuk berpikir kritis dan melakukan analisis	a. Kemampuan untuk mendefinisikan / menyebutkan permasalahan	1	Belum mampu mendeskripsian apa yang menjadi permasalahan
			2	Sudah mampu mendeskripsikan apa yang menjadi permasalahan, namun hanya sebagian
			3	Mampu mendeskripsikan secara akurat apa yang menjadi permasalahan
			4	Mampu mendeskripsikan secara akurat apa yang menjadi permasalahan , dan sudah mampu membuat pertanyaan untuk memperoleh informasi yang diperlukan
		b. Kemampuan membuat hubungan dari berbagai data / fakta	1	Tidak mampu membangun suatu konsep baru, Tidak mampu mengenali hubungan dari berbagai data yang ada.
			2	Mampu membuat konsep baru walaupun masih sedikit / jarang, mampu mengenali hubungan dari berbagai data yang ada namun hanya dalam jumlah yang sedikit / jarang
			3	Mampu membuat konsep baru, mampu mengenali hubungan dari berbagai data yang ada
			4	Mampu membuat konsep baru dengan sangat jelas, mampu mengenali hubungan dari berbagai data yang ada dengan sangat baik
		c. Kemampuan Menganalisis dan mensintesis data / fakta	1	Hanya mengulang / menyebutkan kembali informasi yang didapatkan tanpa melakukan analisis; pernyataan yang diberikan tidak didasari bukti / data.
			2	Sudah mencoba melakukan analisis, namun dangkal. Pernyataan yang diberikan sudah didasari bukti / data,namun hanya sedikit
			3	Melakukan analisis dengan cukup teliti, Pernyataan yang diberikan didasari bukti / data yang baik
			4	Melakukan analisis dengan sangat teliti dan detail untuk semua informasi, Pernyataan yang diberikan selalu didasari bukti / data yang baik

Waktu Pelaksanaan	:	6 minggu
Lain-Lain	:	-
Daftar Rujukan	:	**Buku ajar**: 1. Kumar R. (1999). Research Methodology: a Step By Step Guide for Beginners. Sage Publication. 2. Concato, J, Shah, N, Horwitz, RI. 2000. Randomized, controlled trials, observational studies and the hierarchy of research designs. The New England Journal of Medicine, 342 (25), 1887-1892. 3. Eccles, M, Grimshaw, J, Campbell, M, & Ramsay, C. Research designs for studies evaluating the effectiveness of change and improvement strategies. *Qual Saf Health Care* 2003; 12: 47-52. 4. Kumar R. 1999. Research Methodology: a Step By Step Guide for Beginners. Sage Publication. 5. Petrie A, Sabin C. 2005. Medical Statistics at A Glance. Blackwell Publication. 6. Sackett, DL, & Wennberg, J.E. Choosing the best research design for each question. BMJ 1997; 315: 1636 (Published 20 December 1997). 7. Prima Evita Juwitasari, Harsono Salimo, Hari Wahyu Nugroho, Perbedaan Skor Developmental Quotient Menggunakan Cognitive Adaptive Test/Clinical Linguistic Auditory Milestone Scale pada Anak Stunting di Surakarta, Sari Pediatri, Vol. 22, No. 6, April 2021 8. Kurniawan Adi Putranto, Harsono Salimo, Muhammad Riza, Perbedaan Kualitas Hidup pada Remaja Talasemia Mayor dengan Gizi Kurang dan Gizi Baik menggunakan Instrumen PedsQL, Sari Pediatri, Vol. 23, No. 3, Oktober 2021 9. Senyum Indrakila, Soetrisno, Annang Giri Moelyo, Hari Wahyu Nugroho, Hafi Nurinasari, Pemeriksaan Kelainan Refraksi, Jurnal Kreativitas Pengabdian Kepada Masyarakat (PkM), P-Issn: 2615-0921 E-Issn: 2622-6030 Volume 4 Nomor 4 Agustus 2021] Hal 1002-1007. 10. Aldilla Dinaresti, Harsono Salimo, Fadhilah Tia Nur, Normal Plasma Zinc Level In Correlation With Length Velocity In Stunting Children Aged Between 1 And 2 Years Old In Surakarta, Asia Pacific Journal Paediatric and Child Health, Volume 4, Jan - Mar 2021

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FAKULTAS KEDOKTERAN UNIVERSITAS SEBELAS MARET
PROGRAM PENDIDIKAN DOKTER SPESIALIS I
ILMU KESEHATAN ANAK

NILAI AKHIR EVALUASI KULIAH PENGAYAAN

Nama PPDS		**Inisial**		**NoReg**	
Tahap	**Pengayaan**	**Pembelajaran**			
Unit	**IKA FK UNS/ RSDM**				
Periode dari tgl		**Mata kuliah**			

ASPEK YANG DINILAI	**H A S I L**
Pengetahuan *(Knowledge)* *	
Keterampilan *(Skill)* *	
Sikap *(Attitude)* **	
CATATAN KHUSUS *(ANECDOTAL RECORD)*	
…✍	
Nilai dalam angka, 1 digit di belakang koma	

K E P U T U S A N	
☐ **Lulus**	☐ **Tidak lulus**
…✍	

NO	**NAMA PENILAI**	**JABATAN**	**TANDA TANGAN**
1			
2			
3			

* Nilai PK satu angka, nilai batas lulus 7.0
** Nilai S : B (baik) atau TB (tidak baik)

Rentang Skor (skala 100)	**Rentang Nilai (skala 5)**	
	Angka	**Hurup**
≥85	4.00	A
80 - 84	3.70	A -
75 - 79	3.30	B +
70 - 74	3.00	B
65 - 69	2.70	C +
60 - 64	2.00	C
55 - 59	1.00	D
<55	0.00	E

Surakarta,

Pelapor,

(Nama DPJP)