



**DAFTAR MATAKULIAH**

**Program Studi : Fisika**

**Kurikulum : 2020**

No.	Mata Kuliah			Jumlah Sks			Paket	Sifat	Tipe	Nilai Lulus	Syarat Sks Min			Sks Lulus Min			IPK Min
	Kode	Nama	Nama Asing	T	P	L					W	P	Total	W	P	Total	
1	210010120	Al Quran dan Hadist	Al Quran and Hadith	2	0	0	1	W	MPB	0.00	0	0	0	0	0	0	0.00
2	210010220	Bahasa Inggris	English	2	0	0	1	W	MKB	0.00	0	0	0	0	0	0	0.00
3	211410120	Elektronika Analog	Analog Electronics	2	0	0	1	W	MKK	0.00	0	0	0	0	0	0	0.00
4	211410230	Fisika Dasar 1	Physics 1	3	0	0	1	W	MKK	0.00	0	0	0	0	0	0	0.00
5	211410320	Fisika Mutakhir	Frontiers in Physics	2	0	0	1	W	MKK	0.00	0	0	0	0	0	0	0.00
6	211410420	Matematika Dasar	Mathematics 1	2	0	0	1	W	MKK	0.00	0	0	0	0	0	0	0.00
7	211410531	Pemrograman Dasar	Programming 1	2	1	0	1	W	MKB	0.00	0	0	0	0	0	0	0.00
8	211410620	Pengenalan Alat Ukur dan Karakt	Introduction to Measurement Eq	2	0	0	1	W	MKB	0.00	0	0	0	0	0	0	0.00
9	211410711	Praktikum Elektronika Analog	Analog Electronics Experiment	0	1	0	1	W	MKK	0.00	0	0	0	0	0	0	0.00
10	211410811	Praktikum Fisika Dasar 1	Physics 1 Experiment	0	1	0	1	W	MKK	0.00	0	0	0	0	0	0	0.00
11	219910100	Tahsinul Quran	Tahsinul Quran	0	0	0	1	W	MPK	0.00	0	0	0	0	0	0	0.00
12	210020120	Akhlaq	Akhlaq	2	0	2	2	W	MPK	0.00	0	0	0	0	0	0	0.00
13	210020220	Bahasa Indonesia	Indonesian Language	2	0	0	2	W	MKB	0.00	0	0	0	0	0	0	0.00
14	211420120	Biokimia Terapan	Applied Biochemistry	2	0	0	2	W	MKK	0.00	0	0	0	0	0	0	0.00
15	211420220	Elektronika Digital	Digital Electronics	2	0	0	2	W	MKK	0.00	0	0	0	0	0	0	0.00
16	211420330	Fisika Dasar 2	Physics 2	3	0	0	2	W	MKK	0.00	0	0	0	0	0	0	0.00
17	211420430	Fisika Matematika 1	Mathematical Physics 1	3	0	0	2	W	MKK	0.00	0	0	0	0	0	0	0.00
18	211420520	Gelombang	Waves	2	0	0	2	W	MKK	0.00	0	0	0	0	0	0	0.00
19	211420620	Mekanika	Mechanics	2	0	0	2	W	MKK	0.00	0	0	0	0	0	0	0.00
20	211420711	Praktikum Elektronika Digital	Digital Electronics Experiment	0	1	0	2	W	MKK	0.00	0	0	0	0	0	0	0.00
21	211420811	Praktikum Fisika Dasar 2	Experimental Physics 2	0	1	0	2	W	MKK	0.00	0	0	0	0	0	0	0.00
22	210030120	Aqidah Islam	Aqidah Islam	2	0	0	3	W	MPB	0.00	0	0	0	0	0	0	0.00
23	219930100	Fiqh Ibadah dan Munakahat	Fiqh of Worship and Marriage	0	0	0	3	W	MPK	0.00	0	0	0	0	0	0	0.00
24	211430130	Fisika Matematika 2	Mathematical Physics 2	3	0	0	3	W	MKK	0.00	0	0	0	0	0	0	0.00
25	211430230	Fisika Modern	Modern Physics	3	0	0	3	W	MKK	0.00	0	0	0	0	0	0	0.00



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26	211430320	Listrik Magnet	Electromagnetism	2	0	0	3	W	MKK	0.00	0	0	0	0	0	0	0.00
27	211430430	Metode Pengukuran Fisis	Physics Measurement Method	3	0	0	3	W	MKK	0.00	0	0	0	0	0	0	0.00
28	211430530	Metrologi	Metrology	3	0	0	3	W	MKB	0.00	0	0	0	0	0	0	0.00
29	211430611	Praktikum Fisika Modern	Modern Physics Laboratory	0	1	0	3	W	MKK	0.00	0	0	0	0	0	0	0.00
30	211430730	Sensor dan Aktuator	Sensors and Actuators	3	0	0	3	W	MKB	0.00	0	0	0	0	0	0	0.00
31	211440122	Eksperimen Metrologi	Metrology Laboratory	0	2	0	4	W	MKB	0.00	0	0	0	0	0	0	0.00
32	211440820	Fisika Atom dan Inti	Atom and Nuclear Physics	2	0	0	4	P	MKK	0.00	0	0	0	0	0	0	0.00
33	211440230	Fisika Material	Materials Physics	3	0	0	4	W	MKB	0.00	0	0	0	0	0	0	0.00
34	219940100	Ilmu Dakwah	Dawah	0	0	0	4	W	MPK	0.00	0	0	0	0	0	0	0.00
35	211440330	Instrumentasi	Instrumentation	3	0	0	4	W	MKB	0.00	0	0	0	0	0	0	0.00
36	211440430	Mikroprosesor	Microprocessor	3	0	0	4	W	MKB	0.00	0	0	0	0	0	0	0.00
37	211440520	Optika	Optics	2	0	0	4	W	MKK	0.00	0	0	0	0	0	0	0.00
38	211440921	Pemrograman Terapan	Applied Programming	1	1	0	4	P	MKB	0.00	0	0	0	0	0	0	0.00
39	211441020	Teknologi Energi Baru Terbaruka	Technology of Renewable Energy	2	0	0	4	P	MKB	0.00	0	0	0	0	0	0	0.00
40	211440630	Teori Ketidakpastian Pengukuran	Theory of Measurement Uncertai	3	0	0	4	W	MKB	0.00	0	0	0	0	0	0	0.00
41	211440720	Termodinamika	Thermodynamics	2	0	0	4	W	MKK	0.00	0	0	0	0	0	0	0.00
42	211441120	Undang-Undang Metrologi Legal	Legal Metrology Policy	2	0	0	4	P	MKB	0.00	0	0	0	0	0	0	0.00
43	211450331	Fisika Komputasi	Computational Physics	2	1	0	5	P	MKB	0.00	0	0	0	0	0	0	0.00
44	211450130	Fisika Kuantum	Quantum Physics	3	0	0	5	W	MKK	0.00	0	0	0	0	0	0	0.00
45	211450420	Fisika Statistika	Statistical Physics	2	0	0	5	P	MKK	0.00	0	0	0	0	0	0	0.00
46	211450230	Fisika Zat Padat	Solid State Physics	3	0	0	5	W	MKK	0.00	0	0	0	0	0	0	0.00
47	211450530	Internet of Things	Internet of Things	3	0	0	5	P	MKB	0.00	0	0	0	0	0	0	0.00
48	211451220	Komunikasi Efektif	Effective Communication	2	0	0	5	P	MBB	0.00	0	0	0	0	0	0	0.00
49	211450620	Nanoteknologi	Nanotechnology	2	0	0	5	P	MKK	0.00	0	0	0	0	0	0	0.00
50	211450720	Optoelektronika	Optoelectronics	2	0	0	5	P	MKK	0.00	0	0	0	0	0	0	0.00



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51	210050120	Pancasila	Pancasila	2	0	0	5	W	MPK	0.00	0	0	0	0	0	0	0.00
52	211450820	Pemrosesan Sinyal Digital	Digital Signal Processing	3	0	0	5	P	MKB	0.00	0	0	0	0	0	0	0.00
53	210050220	Pendidikan Kewarganegaraan	Civic Education	2	0	0	5	W	MBB	0.00	0	0	0	0	0	0	0.00
54	211450920	Semikonduktor	Semiconductor	2	0	0	5	P	MKB	0.00	0	0	0	0	0	0	0.00
55	211451020	Standar Nasional Indonesia	Indonesian National Standard	2	0	0	5	P	MKB	0.00	0	0	0	0	0	0	0.00
56	211451120	Standardisasi Internasional	International Standardization	2	0	0	5	P	MKB	0.00	0	0	0	0	0	0	0.00
57	211460330	Dasar Sistem Kendali	Introduction to Control System	3	0	0	6	P	MKB	0.00	0	0	0	0	0	0	0.00
58	211460430	Fisika Reaktor	Reactor Physics	3	0	0	6	P	MKB	0.00	0	0	0	0	0	0	0.00
59	210060120	Islam Interdisipliner	Interdisciplinary Islam	2	0	0	6	W	MPK	0.00	0	0	0	0	0	0	0.00
60	211460530	Kalibrasi Alat-Alat Kesehatan	Medical Devices Calibration	3	0	0	6	P	MKB	0.00	0	0	0	0	0	0	0.00
61	211460630	Kalibrasi Pesawat Sinar-X	X-Ray Devices Calibration	3	0	0	6	P	MKB	0.00	0	0	0	0	0	0	0.00
62	211460730	Karakterisasi Material lanjut	Advanced Materials Characterizat	3	0	0	6	P	MKB	0.00	0	0	0	0	0	0	0.00
63	211460930	Kendali Logika Terprogram	Programmable Logic Control	3	0	0	6	P	MKB	0.00	0	0	0	0	0	0	0.00
64	210060220	Kewirausahaan	Entrepreneurship	2	0	0	6	W	MPK	0.00	0	0	0	0	0	0	0.00
65	211460820	Komunikasi Saintifik	Scientific Communications	2	0	0	6	P	MBB	0.00	0	0	0	0	0	0	0.00
66	211460130	Piranti Elektronika	Electronics Devices	3	0	0	6	W	MKK	0.00	0	0	0	0	0	0	0.00
67	211460233	Praktek Kerja Lapangan	Industrial Attachment	0	0	3	6	W	MKB	0.00	0	0	0	0	0	0	0.00
68	211461030	Prototipe dan Manufaktur	Prototype Manufacturing	3	0	0	6	P	MKB	0.00	0	0	0	0	0	0	0.00
69	211461130	Sistem Cerdas	Intelligent System	3	0	0	6	P	MKB	0.00	0	0	0	0	0	0	0.00
70	211461430	Sistem Pengukuran Besaran Meki	Mechanical Quantity Measuremer	3	0	0	6	P	MKB	0.00	0	0	0	0	0	0	0.00
71	211461230	Sistem Pengukuran Besaran Fluic	Fluid Quantity Measurement Syst	3	0	0	6	P	MKB	0.00	0	0	0	0	0	0	0.00
72	211461330	Sistem Pengukuran Besaran Listr	Electrical Quantity Measurement	3	0	0	6	P	MKB	0.00	0	0	0	0	0	0	0.00
73	211461520	Teknologi Lapisan Tipis	Thin Film Technology	2	0	0	6	P	MKK	0.00	0	0	0	0	0	0	0.00
74	211461630	Teknologi Pemrosesan Mikroelekt	Microelectronic Processing Techn	3	0	0	6	P	MKB	0.00	0	0	0	0	0	0	0.00
75	211461730	Teknologi Telemetri	Telemetry Technology	3	0	0	6	P	MKB	0.00	0	0	0	0	0	0	0.00



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76	211470330	Instrumentasi Kebencanaan	Instrumentation for Disaster Mitig	0	0	3	7	P	MKB	0.00	0	0	0	0	0	0	0.00
77	211470230	Instrumentasi Medis	Medical Instrumentation	0	0	3	7	P	MKB	0.00	0	0	0	0	0	0	0.00
78	211470430	Kecerdasan Buatan	Artificial Intelligence	3	0	0	7	P	MKK	0.00	0	0	0	0	0	0	0.00
79	211470630	Kesehatan dan Keselamatan Kerj	Occupational Health and Safety	3	0	0	7	P	MPB	0.00	0	0	0	0	0	0	0.00
80	211470733	Komputasi Metrologi	Computational Metrology	0	0	3	7	P	MKB	0.00	0	0	0	0	0	0	0.00
81	211470820	Komunikasi Profesional	Professional Communication	2	0	0	7	P	MBB	0.00	0	0	0	0	0	0	0.00
82	210070144	Kuliah Kerja Nyata	Community Service	0	0	4	7	W	MPK	0.00	0	0	0	0	0	0	0.00
83	211470930	Material Maju	Advanced Materials	3	0	0	7	P	MKK	0.00	0	0	0	0	0	0	0.00
84	211470120	Metode Penelitian	Research Methods	2	0	0	7	W	MKB	0.00	0	0	0	0	0	0	0.00
85	211471130	Pengujian dan Operasional Pemb	Renewable Energy Plant Testing	3	0	0	7	P	MKB	0.00	0	0	0	0	0	0	0.00
86	211471030	Pengujian Non-Destruktik	Non-Destructive Testing	3	0	0	7	P	MKB	0.00	0	0	0	0	0	0	0.00
87	211471230	Perencanaan dan Instalasi Pemb	Renewable Energy Plant Planning	3	0	0	7	P	MKB	0.00	0	0	0	0	0	0	0.00
88	211471330	Perijinan dan Akreditasi Laborato	Laboratory Licencing and Accredi	3	0	0	7	P	MKB	0.00	0	0	0	0	0	0	0.00
89	211471430	Quality Control dan Quality Assur	Quality Control and Quality Assur	3	0	0	7	P	MKB	0.00	0	0	0	0	0	0	0.00
90	211471530	Sistem Berbasis Mikroprosesor	Embedded Systems	0	0	3	7	P	MKB	0.00	0	0	0	0	0	0	0.00
91	211471733	Teknologi Pengumpul dan Penyin	Energy Harvesting and Storage T	0	0	3	7	P	MKB	0.00	0	0	0	0	0	0	0.00
92	211471730	Teknologi Unmanned Aerial Vehic	Unmanned Aerial Vehicle Techno	3	0	0	7	P	MKK	0.00	0	0	0	0	0	0	0.00
93	211480166	Skripsi	Undergraduate Thesis	0	0	6	8	W	MKK	0.00	0	0	0	0	0	0	0.00