## TRANSKRIP/ACADEMIC TRANSCRIPT

Nomor Ijazah Nasional (NINa)/National Diploma Numbering: 452012020000103

Nomor/Number: 536/ITK-9/JSTPK-2/S1/2020



KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN INSTITUT TEKNOLOGI KALIMANTAN

MINISTRY OF EDUCATION AND CULTURE INSTITUT TEKNOLOGI KALIMANTAN Jurusan/Department : Sains, Teknologi Pangan, dan Kemaritiman/

Science, Food Technology, and Maritime Program Studi/Study Program

: Fisika/ Physics

Nama/Name : Fikri Abdillah NIM/ID No : 01161011

Tempat, Tgl Lahir/ : Tarakan, 08 November 1998/ Place, Date of Birth Tarakan, November 08th, 1998 Gelar/Degree

Lama Studi/Length of Study

: Sarjana Sains (S.Si.)

Bachelor of Science

Indeks Prestasi/GPA : 3.29 Tahun Masuk/Entrance Year : 2016 Tahun Lulus/Graduation Year

: 2020 : 8 Semester

Predikat/Predicate : Sangat Memuaskan/Very Satisfactory Tanggal Lulus/Graduation Date

: 27 Agustus 2020/August 27th, 2020

No	Kode Code	Mata Kuliah Subject	Sem	Kr	Nilai
			Sem	Cr	Grade
1	F11001	Fisika Dasar I	1	3	AB
		Fundamental of Physics 1			
2	FI1102	Biologi Umum	1	2	В
		Biology			
3	F11103	Aljabar Linier	1	3	A
		Linier Algebra			
4	KI1001	Kimia Dasar	1	2	C
		Fundamental of Chemistry			
5	KU1003	Teknik Komunikasi Ilmiah	1	2	AB
		Scientific Communication Method			
6	KU1004	Bahasa Inggris	1	2	AB
		English	Charles and the		
7	MA1001	Kalkulus I	1	3	AB
	Allega artis a secon	Calculus I			
8	EL1003	Algoritma dan Pemrograman	2	3	AB
		Algorithm and Programming			
9	FI1004	Fisika Dasar II	2	3	В
		Fundamental of Physics II			
10	F11105	Fisika Madya	2	4	BC
		Middle Physics			
11	KI1102	Laboratorium Kimia Dasar	2	1	AB
		Fundamental Chemistry Laboratory			
12	KU1006	Agama Islam	2	2	A
		Religion			
13	MA1004	Kalkulus II	2	3	Α
		Calculus II			
14	MA1005	Pengantar Metode Statistik	2	3	BC
		Introduction to Statistical Method			1
15	FI1106	Fisika Modern I	3	3	A
		Modern Physics I			
16	FI1110	Fisika Matematika I	3	4	AB
	2016	Mathematical Physics I	YANDAM PER		
17	FIIIII	Gelombang I	3	2	AB
		Wave I			
18	FI1207	Termodinamika	3	4	AB
		Thermodynamics			
19	F11208	Mekanika I	3	3	В
		Mechanics I			
20	FI1209	Elektronika Dasar I	. 3	3	BC
		Basic Electronics I			

No	Code	Mata Kuliah Subject	Sem	Kr Cr	Nilai
			Sem		
21	FI1115	Fisika Modern II	4	3	В
		Modern Physics II			
22	FI1212	Fisika Matematika II	4	4	A
		Mathematical Physics II			
23	FI1213	Mekanika II	4	3	BC
		Mechanics II			1
24	FI1214	Elektronika Dasar II	4	3	C
		Basic Electronics II			
25	FI1216	Gelombang II	4	2	В
		Wave II			
26	FI1217	Fisika Laboratorium	4	2	AB
		Laboratory Physics			
27	KU1011	Wawasan Teknologi dan Lingkungan	4	3	В
		Technology and Environmental Educations	1 200		
28	FI1121	Ilmu Bahan I	5	2	BC
		Material Science I			-
29	FI1218	Metode Numerik	5	3	BC
	THE STATE OF	Numerical Method			-
30	F11219	Fisika Kuantum I	5	3	AB
		Quantum Physics I		-	740
31	FI1220	Geofisika Dasar	5	2	BC
	- 11	Basic Geophysics	Evalue I	-	De
32	FI1222	Medan Elektromagnetik I	5	3	AB
		Electromagnetics I			110
33	FI1223	Fisika Zat Padat I	5	3	BC
		Solid State Physics 1		-	200
34	FI1128	Ilmu Bahan II	6	2	AB
		Material Science II	-	-	AD
35	FI1224	Medan Elektromagnetik II	6	3	AB
		Electromagnetics II			- AD
36	FI1225	Fisika Komputasi	6	3	AB
		Computational Physics		-	AD
37	FI1226	Fisika Kuantum II	6	3	AB
-		Quantum Physics II	-	,	Ab
38	FI1227	Geologi Dasar	6	2	AB
20		Basic Geology	3	-	AD
39	F11229	Fisika Zat Padat II	6	3	AB
	111227	Solid State Physics II	0	3	AB
	FI1230	Elektronika	6	2	AB
70	111230	Electronics	0	4	AB

No	Kode Code	Mata Kuliah Subject	Sem	Kr	Nila
			Sem	Cr	Grade
41	FI1231	Fisika Inti	7	2	A
		Nuclear Physics			
42	FI1232	Fisika Statistik I	7	3	AB
		Statistical Physics I			
43	F11233	Fisika Instrumentasi	7	2	BC
		Instrumentation Physics			
44	FI1234	Fisika Energi Terbarukan	7	2	В
		Physics of Renewable Energy			
45	FI1237	Kerja Praktik	7	2	A
		Internship			
46	F11340	Fisika Polimer	7	2	AB
		Polymer Physics			VIII.
47	FI1343	Fisika Bahan Lanjut	7	2	A
		Advanced Material Physics			
48	KU1002	Technoprenurship	7	3	В
		Technopreneurship			
49	KU1005	Wawasan Kebangsaan	7	2	AB
		Nationalism .			
50	FI1235	Fisika Inti II	8	2	AB
		Nuclear Physics II			
51	F11236	Fisika Statistik II	8	3	BC
		Statistical Physics II	DAY THE PARTY OF T	H871	Tall
52	FI1238	Tugas Akhir II	8	6	A
		Final Project II			
53	FI1341	Fisika Semikonduktor	8	2	A
		Physics of Semiconductor			
54	FI1342	Fisika Bahan Komposit	8	2	A
		Composite Physics			
					77.00
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. J			Annual Control of the		
				100	
10					477
		Jumlah Kredit/Total of Creens	1	44	

tan Nilai/Grade Explanation (Point):
: Istimewa/Excellent (4)
: Baik Sekali/Very Good (3.5)
: Baik/Good (3)
: Cukup Baik/Sufficient (2,5)
: Cukup/Fair (2)
: Kurang/Poor (1)
: Kurang Sekali/Very Poor (0)

Tugas Akhir/Final Project

Mesin Brayton Kuantum Berbasis Partikel Tunggal Relativistik dan Non-relativistik sebagai Substansi Kerja dalam Kotak Potensial Simetris 1, 2, dan 3 Dimensi

Quantum Brayton Engine Based on a Relativistic and Non-relativistic Particle as a Working Substance in 1, 2, and 3 Dimensional Symmetric Potential Box

Pembimbing/Advisor: 1. Fadli Robiandi, S.Si., M.Si.
2. Yohanes Dwi Saputra, S.Si., M.Si.

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