



# INSTITUT TEKNOLOGI NASIONAL

SK Mendikbud: 0180/0/1985 tanggal 20 April 1985

## TRANSKRIP

N.I.M. : 12-2015-059

N a m a : RIZKI GURNITA NURRAHMAN

Tempat/Tgl.Lahir : JAKARTA, 5 Februari 1997

Fakultas : TEKNOLOGI INDUSTRI

Program Studi : TEKNIK MESIN

Nomor Transkrip : 0201/TA/6.1.12/ITENAS/I/2020

Nilai

A = 4,00 Sangat baik  
AB = 3,50 Antara sangat baik dan baik  
B = 3,00 Baik  
BC = 2,50 Cukup baik  
C = 2,00 Cukup  
D = 1,00 Kurang  
E = 0 Gagal

MATAKULIAH	SKS	NILAI
MS--101 BAHASA INDONESIA	3	B
MS--102 AGAMA	3	B
MS--103 BAHASA INGGRIS I	2	B
MS--105 PENDIDIKAN KEWARGANEGARAAN	3	A
MS--112 MATEMATIKA TEKNIK II	3	C
MS--113 MENGGAMBAR MESIN	4	B
MS--114 CAD	2	A
MS--115 MATEMATIKA TEKNIK I	3	B
MS--116 STATIKA STRUKTUR	3	B
MS--117 FISIKA TEKNIK MESIN	3	C
MS--118 MATERIAL TEKNIK	4	C
MS--122 METODE KOMPUTASI	3	B
MS--202 BAHASA INGGRIS II	2	B
MS--211 MEKANIKA KEKUATAN MATERIAL	3	B
MS--212 PERPINDAHAN PANAS	4	C
MS--213 THERMODYNAMIKA	4	A
MS--214 KINEMATIKA DAN DINAMIKA	4	B
MS--215 PROSES PRODUKSI	4	C
MS--216 ELEMEN MESIN I	4	A
MS--217 METALURGI FISIK	4	B
MS--218 TEKNIK TENAGA LISTRIK	2	C
MS--219 KIMIA TERAPAN	2	C
MS--221 STATISTIK	2	B
MS--222 KEWIRAUSAHAAN	3	C
MSA-201 ALJABAR LINIER	3	B
MSA-208 MEKANIKA FLUIDA I	3	A
MSA-213 PENGUKURAN TEKNIK	2	B
MSA-214 PROSES-PROSES MANUFATUR II	3	C
MSA-215 PENGUJIAN MATERIAL TEKNIK	1	AB
MSA-301 PENGENALAN PERANGKAT LUNAK TEKNIK MESIN	3	AB
MSA-304 MESIN FLUIDA	3	B
MSA-305 MEKANIKA FLUIDA II	2	B
MSA-306 ELEMEN MESIN II	3	BC
MSA-307 GETARAN MEKANIK	2	BC
MSA-310 TEKNIK PENGATURAN	2	C
MSA-311 PEMILIHAN BAHAN DAN PROSES	2	B
MSA-312 HIDROLIK DAN PNEUMATIK	2	B
MSA-313 METROLOGI INDUSTRI	3	B
MSA-315 PENGUKURAN GEOMETRI	1	BC
MSA-316 FENOMENA DASAR MESIN	1	B

MATAKULIAH	SKS	NILAI
MSA-318 PENGUJIAN HIDROLIK DAN PNEUMATIK	1	BC
MSA-401 TEKNOLOGI ENERGI BARU & TERBARUKAN	2	B
MSA-403 PERANCANGAN SISTEM MEKANIKAL	2	B
MSA-404 MANAJEMEN PERAWATAN MESIN	2	BC
MSA-405 MEKATRONIKA	2	A
MSA-407 MANAJEMEN LINGKUNGAN	2	B
MSA-409 PERANCANGAN ELEMEN MESIN II	1	A
MSA-411 PRESTASI MESIN	1	B
MSA-451 REKAYASA PERPIPAAN	3	C
MSA-453 PROSES PENGELASAN	3	AB
MSA-455 PROSES PEMESINAN	3	C
MSA-468 INSPEKSI UMUR PERALATAN	3	A
MSA-490 PRAKTIK KERJA	2	A
MSA-499 APLIKASI TEKNIK MESIN PADA MASYARAKAT	2	AB
MSA-500 TUGAS AKHIR	5	A

Judul Skripsi :

PROSES PEMBUATAN MODEL GEOMETRI ALAT

PENUKAR KALOR MENGGUNAKAN SOFTWARE GAMBIT

Lulus Program Sarjana Tanggal 24 Januari 2020

Jumlah SKS Diperoleh : 144

Indeks Prestasi : 2,95

Predikat Kelulusan : Memuaskan

Dekan,

*Dekan*

Dyah Setyo Pertiwi, S.T., M.T., Ph.D.



Bandung, 6 Maret 2020

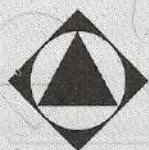
Rektor,

*Meilinda Nurbanasari*

INSTITUT TEKNOLOGI NASIONAL

Prof. Meilinda Nurbanasari, S.T., M.T., Ph.D.





# INSTITUT TEKNOLOGI NASIONAL

SK Mendikbud: 0180/0/1985 dated April 20, 1985

## ACADEMIC RECORD

Grade  
A = 4.00 Outstanding  
AB = 3.50 Excellent  
B = 3.00 Very Good  
BC = 2.50 Good  
C = 2.00 Fair  
D = 1.00 Below Average  
E = 0 Failed

Student I.D. : 12-2015-059

Name : RIZKI GURNITA NURRAHMAN

Place & date of birth : JAKARTA, 5 February 1997

Faculty : INDUSTRIAL TECHNOLOGY

Study Program : MECHANICAL ENGINEERING

Transcript Number : 0201/TA/6.1.12/ITENAS/I/2020

### COURSE DESCRIPTION

### CREDIT GRADE

MS--101	INDONESIAN LANGUAGE	3	B
MS--102	RELIGION	3	B
MS--103	ENGLISH I	2	B
MS--105	NATIONALITY EDUCATION	3	A
MS--112	ENGINEERING MATHEMATICS II	3	C
MS--113	MECHANICAL DRAWING	4	B
MS--114	CAD	2	A
MS--115	ENGINEERING MATHEMATICS I	3	B
MS--116	STATICS	3	B
MS--117	PHYSICS OF MECHANICAL	3	C
MS--118	ENGINEERING MATERIAL	4	C
MS--122	COMPUTATION METHOD	3	B
MS--202	ENGLISH II	2	B
MS--211	STRENGTH OF MATERIAL	3	B
MS--212	HEAT TRANSFER	4	C
MS--213	THERMODYNAMICS	4	A
MS--214	KINEMATICS AND DYNAMICS	4	B
MS--215	PRODUCTION PROCESS	4	C
MS--216	MACHINE ELEMENT DESIGN I	4	A
MS--217	PHYSICAL METALURGY	4	B
MS--218	ENGINEERING POWER ELECTRICAL	2	C
MS--219	APPLIED CHEMISTRY	2	C
MS--221	STATISTIC	2	B
MS--222	ENTERPRENEURSHIP	3	C
MSA-201	LINIER ALGEBRA	3	B
MSA-208	FLUID MECHANICS I	3	A
MSA-213	ENGINEERING MEASUREMENT	2	B
MSA-214	MANUFACTURING PROCESSES II	3	C
MSA-215	TECHNICAL MATERIALS TESTING	1	AB
MSA-301	INTRO TO MECHANICAL ENGINEERING SOFTWARE	3	AB
MSA-304	FLUID MACHINERIES	3	B
MSA-305	FLUID MECHANICS II	2	B
MSA-306	MACHINE ELEMENTS II	3	BC
MSA-307	MECHANICAL ELEMENTS I	2	BC
MSA-310	ENGINEERING CONTROLS	2	C
MSA-311	SELECTING MATERIAL AND PROCESS	2	B
MSA-312	HYDRAULICS & PNEUMATICS	2	B
MSA-313	INDUSTRIAL METROLOGY	3	B
MSA-315	GEOMETRY MEASUREMENT	1	BC
MSA-316	BASIC PHENOMENON OF MECHANICAL	1	B

### COURSE DESCRIPTION

### CREDIT GRADE

MSA-318	HYDRAULICS & PNEUMATICS LABORATORY	1	BC
MSA-401	NEW & RENEWABLE ENERGY TECHNOLOGIES	2	B
MSA-403	MECHANICAL SYSTEM DESIGN	2	B
MSA-404	MACHINE MAINTENANCE MANAGEMENT	2	BC
MSA-405	MECHATRONICS	2	A
MSA-407	ENVIRONMENTAL MANAGEMENT	2	B
MSA-409	MACHINE ELEMENTS DESIGN II	1	A
MSA-411	PERFORMANCE ENGINES	1	B
MSA-451	PIPING ENGINEERING	3	C
MSA-453	WELDING PROCESS	3	AB
MSA-455	MACHINING PROCESSES	3	C
MSA-468	REMAINING LIFE ASSESSMENT	3	A
MSA-490	INTERNSHIP	2	A
MSA-499	APPLIED MECHANICAL ENGINEERING PROJECT	2	AB
MSA-500	FINAL PROJECT	5	A

### Thesis :

THE PROCESS FOR MAKING THE HEAT  
EXCHANGER GEOMETRY MODEL USING GAMBIT SOFTWARE

Graduated on : 24 January 2020

Total Credit : 144 GPA : 2,95

Predicate : Satisfactory

Dean,

*Dyah Setyo Pertiwi*

Dyah Setyo Pertiwi, S.T., M.T., Ph.D.



Bandung, 6 March 2020

Rector,

*Meilinda Nurbanasari*

Prof. Meilinda Nurbanasari, S.T., M.T., Ph.D.