



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. : 12-2014-071

Name : ALVIAN NUGRAHA PRATAMA

Place & date of birth : BANDUNG, 29 May 1996

Faculty : INDUSTRIAL TECHNOLOGY

Study Program : MECHANICAL ENGINEERING

Transcript Number : 0495/TA/6.1.12/ITENAS/X/2020

COURSE DESCRIPTION	CREDIT	GRADE
MS--101 INDONESIAN LANGUAGE	3	C
MS--102 RELIGION	3	A
MS--103 ENGLISH I	2	A
MS--105 NATIONALITY EDUCATION	3	A
MS--112 ENGINEERING MATHEMATICS II	3	B
MS--113 MECHANICAL DRAWING	4	B
MS--114 CAD	2	B
MS--115 ENGINEERING MATHEMATICS I	3	C
MS--116 STATICS	3	C
MS--118 ENGINEERING MATERIAL	4	B
MS--122 COMPUTATION METHOD	3	D
MS--202 ENGLISH II	2	A
MS--211 STRENGTH OF MATERIAL	3	C
MS--213 THERMODYNAMICS	4	C
MS--215 PRODUCTION PROCESS	4	C
MS--217 PHYSICAL METALURGY	4	C
MS--218 ENGINEERING POWER ELECTRICAL	2	C
MS--219 APPLIED CHEMISTRY	2	A
MS--222 ENTERPRENEURSHIP	3	B
MS--311 MACHINE ELEMENT DESIGN II	4	C
MS--314 MAINTENANCE MANAGEMENT	2	B
MS--315 MECHANICAL VIBRATION	2	C
MS--316 FLUID MACHINERY	4	C
MS--317 ENVIRONMENTAL CONSERVATION ENGINEERING	2	C
MS--321 PROJECT AND INDUSTRIAL MANAGEMENT	4	C
MS--322 METROLOGY	4	C
MS--411 CNC	3	B
MS--414 HYDROLIC AND PNEUMATIC	3	C
MS--452 MACHINE TOOLS TECHNOLOGY	2	C
MSA-110 PHYSICS OF MECHANICAL ENGINEERING II	2	B
MSA-204 STATISTICS & PROBABILITY	2	BC
MSA-208 FLUID MECHANICS I	3	C
MSA-209 KINEMATICS	2	A
MSA-212 ENGINEERING DYNAMICS	3	AB
MSA-213 ENGINEERING MEASUREMENT	2	B
MSA-301 INTRO TO MECHANICAL ENGINEERING SOFTWARE	3	AB
MSA-302 HEAT TRANSFER II	2	B
MSA-303 HEAT TRANSFER I	3	AB
MSA-305 FLUID MECHANICS II	2	C
MSA-309 MACHINE ELEMENTS I	3	C

COURSE DESCRIPTION	CREDIT	GRADE
MSA-310 ENGINEERING CONTROLS	2	B
MSA-311 SELECTING MATERIAL AND PROCESS	2	B
MSA-316 BASIC PHENOMENON OF MECHANICAL	1	C
MSA-401 NEW & RENEWABLE ENERGY TECHNOLOGIES	2	B
MSA-403 MECHANICAL SYSTEM DESIGN	2	B
MSA-405 MECHATRONICS	2	AB
MSA-411 PERFORMANCE ENGINES	1	BC
MSA-452 CASTING PROCESS	3	A
MSA-453 WELDING PROCESS	3	B
MSA-466 DRONE TECHNOLOGY	3	AB
MSA-490 INTERNSHIP	2	A
MSA-499 APPLIED MECHANICAL ENGINEERING PROJECT	2	AB
MSA-500 FINAL PROJECT	5	A

Thesis :

DESIGN AND MANUFACTURE OF TOOLS

TO DETECT CRITICAL ROTATION ON THE SHAFT

Graduated on : 5 October 2020

Total Credit : 144 GPA : 2,75

Dean,

Jono Suhartono, S.T., M.T., Ph.D.



Bandung, 19 October 2020

Rector,

 **itenas**

INSTITUT TEKNOLOGI NASIONAL

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



INSTITUT TEKNOLOGI NASIONAL

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

N.I.M. : 12-2014-071

N a m a : ALVIAN NUGRAHA PRATAMA

Tempat/Tgl.Lahir : BANDUNG, 29 Mei 1996

Fakultas : TEKNOLOGI INDUSTRI

Program Studi : TEKNIK MESIN

Nomor Transkrip : 0495/TA/6.1.12/ITENAS/X/2020

TRANSKRIP

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	C
MS--102 AGAMA	3	A
MS--103 BAHASA INGGRIS I	2	A
MS--105 PENDIDIKAN KEWARGANEGARAAN	3	A
MS--112 MATEMATIKA TEKNIK II	3	B
MS--113 MENGGAMBAR MESIN	4	B
MS--114 CAD	2	B
MS--115 MATEMATIKA TEKNIK I	3	C
MS--116 STATIKA STRUKTUR	3	C
MS--118 MATERIAL TEKNIK	4	B
MS--122 METODE KOMPUTASI	3	D
MS--202 BAHASA INGGRIS II	2	A
MS--211 MEKANIKA KEKUATAN MATERIAL	3	C
MS--213 THERMODINAMIKA	4	C
MS--215 PROSES PRODUKSI	4	C
MS--217 METALURGI FISIK	4	C
MS--218 TEKNIK TENAGA LISTRIK	2	C
MS--219 KIMIA TERAPAN	2	A
MS--222 KEWIRAUUSAHAAN	3	B
MS--311 ELEMEN MESIN II	4	C
MS--314 MANAJEMEN PERAWATAN	2	B
MS--315 GETARAN MEKANIK	2	C
MS--316 MESIN FLUIDA	4	C
MS--317 TEKNIK KONSERVASI LINGKUNGAN	2	C
MS--321 MANAJEMEN INDUSTRI DAN PROYEK	4	C
MS--322 METROLOGI INDUSTRI	4	C
MS--411 CNC	3	B
MS--414 HIDROLIK DAN PNEUMATIK	3	C
MS--452 MESIN PERKAKAS	2	C
MSA-110 FISIKA TEKNIK MESIN II	2	B
MSA-204 STATISTIKA & PROBABILITAS	2	BC
MSA-208 MEKANIKA FLUIDA I	3	C
MSA-209 KINEMATIKA	2	A
MSA-212 DINAMIKA TEKNIK	3	AB
MSA-213 PENGUKURAN TEKNIK	2	B
MSA-301 PENGENALAN PERANGKAT LUNAK TEKNIK MESIN	3	AB
MSA-302 PERPINDAHAN PANAS II	2	B
MSA-303 PERPINDAHAN PANAS I	3	AB
MSA-305 MEKANIKA FLUIDA II	2	C
MSA-309 ELEMEN MESIN I	3	C

MATAKULIAH	SKS	NILAI
MSA-310 TEKNIK PENGATURAN	2	B
MSA-311 PEMILIHAN BAHAN DAN PROSES	2	B
MSA-316 FENOMENA DASAR MESIN	1	C
MSA-401 TEKNOLOGI ENERGI BARU & TERBARUKAN	2	B
MSA-403 PERANCANGAN SISTEM MEKANIKAL	2	B
MSA-405 MEKATRONIKA	2	AB
MSA-411 PRESTASI MESIN	1	BC
MSA-452 PROSES PENGECORAN	3	A
MSA-453 PROSES PENGELASAN	3	B
MSA-466 TEKNOLOGI DRONE	3	AB
MSA-490 PRAKTIK KERJA	2	A
MSA-499 APLIKASI TEKNIK MESIN PADA MASYARAKAT	2	AB
MSA-500 TUGAS AKHIR	5	A

Judul Skripsi :

PERANCANGAN DAN PEMBUATAN ALAT

UNTUK MENDETEKSI PUTARAN KRITIS PADA POROS

Lulus Program Sarjana Tanggal 5 Oktober 2020

Jumlah SKS Diperoleh : 144

Indeks Prestasi : 2,75

Dekan,

Jono Suhartono, S.T., M.T., Ph.D.



Bandung, 19 Oktober 2020

Rektor,



INSTITUT TEKNOLOGI NASIONAL

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