

**HASANUDDIN UNIVERSITY**

(PP Number : 23 of Year 1956)

**Academic Achievement Transcript**

As an Attachment to a Certificate Number : 183267-UN4-D/21539-411-2018

GIVEN TO : MUTHIA KHANZA AMINUDDIN

REGISTRATION NUMBER : D41114027

PLACE/DATE OF BIRTH : MAKASSAR/SEPTEMBER 3rd, 1996

FACULTY : ENGINEERING

EDUCATION PROGRAM : BACHELOR (S1)  
STUDY PROGRAM : ELECTRICAL ENGINEERING

DATE OF GRADUATION : AUGUST 10th, 2018

THE COURSE THAT HAS BEEN PASSED

| **NO** | **CODE** | **COURSE** | **QR** | **QF** | **C** | **Q** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 007U0032 | Maritim Social-Cultural Insight | A | 4,00 | 2 | 8,00 |
| 2 | 010U0032 | English | A | 4,00 | 2 | 8,00 |
| 3 | 072U003 | Religious Studies | A | 4,00 | 3 | 12,00 |
| 4 | 079U002 | Science, Technology, and Art Insight | A | 4,00 | 2 | 8,00 |
| 5 | 080U002 | Bahasa Indonesia | A | 4,00 | 2 | 8,00 |
| 6 | 082U003 | Civic Education | A- | 3,75 | 3 | 11,25 |
| 7 | 085U003 | Basic Mathematics 1 | C+ | 2,50 | 3 | 7,50 |
| 8 | 086U003 | Basic Physics 1 | A- | 3,75 | 3 | 11,25 |
| 9 | 089U003 | Basic Physics 2 | C | 2,00 | 3 | 6,00 |
| 10 | 090U003 | Basic Mathematics 2 | D | 1,00 | 3 | 3,00 |
| 11 | 101D4102 | Engineering Drawing | A | 4,00 | 2 | 8,00 |
| 12 | 102D4102 | Advanced Chemistry | A | 4,00 | 2 | 8,00 |
| 13 | 111D4102 | Basic Electric Power (Systems) | B | 3,00 | 2 | 6,00 |
| 14 | 131D4102 | Basic Computer | A | 4,00 | 2 | 8,00 |
| 15 | 141D4103 | Electric Circuits 1 | C | 2,00 | 3 | 6,00 |
| 16 | 151D4101 | Basic Electric Power Laboratory | A | 4,00 | 1 | 4,00 |
| 17 | 161D4102 | Basic Telecommunication (Systems) | A | 4,00 | 2 | 8,00 |
| 18 | 171D4102 | Logic Circuits | C+ | 2,50 | 2 | 5,00 |
| 19 | 201D4103 | Advanced Mathematics 1 | A- | 3,75 | 3 | 11,25 |
| 20 | 202D4102 | Advanced Physics | A- | 3,75 | 2 | 7,50 |
| 21 | 203D4103 | Electric Circuits 2 | A | 4,00 | 3 | 12,00 |
| 22 | 204D4102 | Electromagnetics | A | 4,00 | 2 | 8,00 |
| 23 | 205D4102 | Electric Masurement | A- | 3,75 | 2 | 7,50 |
| 24 | 206D4102 | Probability and Statistic | A- | 3,75 | 2 | 7,50 |
| 25 | 207D4101 | Electric and Logic Circuits Laboratory | A | 4,00 | 1 | 4,00 |
| 26 | 208D4111 | Basic Telecommunication Laboratory | A | 4,00 | 1 | 4,00 |
| 27 | 212D4122 | Electric Machines | A- | 3,75 | 2 | 7,50 |
| 28 | 213D4122 | Basic Multimedia | A | 4,00 | 2 | 8,00 |
| 29 | 215D4122 | Microprocessor Systems and Interfaces | B+ | 3,50 | 2 | 7,00 |
| 30 | 217D4122 | Electric Installation + Laboratory | B- | 2,75 | 2 | 5,50 |
| 31 | 218D4121 | Integrated Electronics Laboratory | B | 3,00 | 1 | 3,00 |
| 32 | 219D4121 | Microprocessor Systems and Interfaces Laboratory | A- | 3,75 | 1 | 3,75 |
| 33 | 231D4102 | Basic Electronics | D | 1,00 | 2 | 2,00 |
| 34 | 232D4102 | Basic Control Systems | A | 4,00 | 2 | 8,00 |
| 35 | 241D4102 | Linear Systems | B+ | 3,50 | 2 | 7,00 |
| 36 | 241D4103 | Advanced Mathematics 2 | B+ | 3,50 | 3 | 10,50 |
| 37 | 243D4102 | Electric Material Physics | A | 4,00 | 2 | 8,00 |
| 38 | 244D4101 | Basic Electronics Laboratory | A | 4,00 | 1 | 4,00 |
| 39 | 251D4102 | Energy Conversion | B- | 2,75 | 2 | 5,50 |
| 40 | 271D4102 | Computer Programming ( Fortran/C+) | A- | 3,75 | 2 | 7,50 |
| 41 | 272D4102 | Analog Electronics | B+ | 3,50 | 2 | 7,00 |
| 42 | 274D4102 | Digital Techniques | B- | 2,75 | 2 | 5,50 |
| 43 | 275D4102 | Algorithm and Data Structure | C+ | 2,50 | 2 | 5,00 |
| 44 | 276D4102 | Computer Architecture 1 | B | 3,00 | 2 | 6,00 |
| 45 | 301D4112 | Engineering Economics | B- | 2,75 | 2 | 5,50 |
| 46 | 315D4102 | Direct Current Machine | A | 4,00 | 2 | 8,00 |
| 47 | 319D4113 | Microprocessor-Based Systems + Laboratory | A | 4,00 | 3 | 12,00 |
| 48 | 329D4113 | Control Systems + Laboratory | B- | 2,75 | 3 | 8,25 |
| 49 | 330D4112 | Process Control Technology | A | 4,00 | 2 | 8,00 |
| 50 | 332D4112 | Illumination | A | 4,00 | 2 | 8,00 |
| 51 | 334D4112 | Computer Network-based SCADA | A | 4,00 | 2 | 8,00 |
| 52 | 342D4122 | Numerical Methods | A | 4,00 | 2 | 8,00 |
| 53 | 345D4122 | Environmental Science | B | 3,00 | 2 | 6,00 |
| 54 | 346D4122 | Management and Entrepreneurship | A- | 3,75 | 2 | 7,50 |
| 55 | 351D4102 | Power Electronics | A | 4,00 | 2 | 8,00 |
| 56 | 373D4122 | Optimal Control Systems | B+ | 3,50 | 2 | 7,00 |
| 57 | 374D4122 | Intelligent Control Systems | C+ | 2,50 | 2 | 5,00 |
| 58 | 375D4102 | Instrumentation Electronic Systems | A | 4,00 | 2 | 8,00 |
| 59 | 375D4122 | Control Systems Design | A | 4,00 | 2 | 8,00 |
| 60 | 401D4112 | Practical (On Job) Training | A | 4,00 | 2 | 8,00 |
| 61 | 402D4112 | Research Methods and Scientific Writing | A | 4,00 | 2 | 8,00 |
| 62 | 403D4112 | Final Project Proposal | A | 4,00 | 2 | 8,00 |
| 63 | 415D4132 | Renewable and New Energy Resources | B | 3,00 | 2 | 6,00 |
| 64 | 434D4132 | Artificial Intelligent Systems | A | 4,00 | 2 | 8,00 |
| 65 | 446D4138 | Laboratory 1 | A | 4,00 | 8 | 32,00 |
| 66 | 447D4138 | Laboratory 2 | A | 4,00 | 8 | 32,00 |
| 67 | 402D4132 | Final Project Results | A | 4,00 | 2 | 8,00 |
| 68 | 493D4124 | Final Project Report | A | 4,00 | 4 | 16,00 |
| 69 | 499U004 | Student Community Service Programe | A | 4,00 | 4 | 16,00 |
|  | TOTAL |  |  |  | **160** | **566** |
|  | GRADE POINT AVERAGE : 3.54 (THREE POINT FIVE FOUR) | |  |  |  |  |
|  | GRADUATION PREDICATE : CUM LAUDE | |  |  |  |  |

Information:

- QR : Quality Result - C : Credit

- QF : Quality Figures - Q : Quality (QF x C)

TITLE OF SCIENTIFIC WORK THAT IS ACCOUNTED FOR:

*PROTOTYPE OF INTERNET-BASED MOVING OBJECT SECURITY SYSTEM*

Makassar, September 4th 2018

ENGINEERING FACULTY HASANUDDIN UNIVERSITY

DEAN RECTOR

**Dr. Ir. MUHAMMAD ARSYAD, M.T. PROF. Dr. DWIA ARIES TINA PULUBUHU, M.A.**

19601231 198609 1 001 19640419 198903 2 002