

## UNIVERSITAS MULAWARMAN

## FAKULTAS TEKNIK FACULTY OF ENGINEERING

## TRANSKRIP AKADEMIK

ACADEMIC TRANSCRIPT Nomor:3612/UN17.9/PP/TA/S1/2021

Nomor Ijazah: 552012021000243

NAMA

: ALIFFIA ROSITA

THN. MASUK

2016

[NAME]

[YEAR IN]

INFORMATIKA

NIM |SIN|

: 1615015169

PROGRAM STUDI [STUDY PROGRAM]

[Informatics Study Program]

TEMPAT, TGL LAHIR: Samarinda, 08 Oktober 1998

JENJANG STUDI / Strata I (S1) [Undergraduate]

| O   | KODE<br>MK<br>[CODE] | MATAKULIAH (COURSE TITLE)   | SKS<br> SCU] | NH<br>(QL) | NB<br>IQM | SKSxNB<br> QLxQM | NO | KODE<br>MK<br>[CODE] | MATAKULIAH [COURSE TITLE]   | SKS<br> SCU |    | NB<br>IQN] | SKSxNB<br> QL±QM |
|-----|----------------------|---|--------------|------------|-----------|------------------|----|----------------------|---|-------------|----|------------|------------------|
| 1   | 091013               | Bahasa Indonesia<br>[Indonesian Language]   | 3            | A          | 4.00      | 12.00            | 25 | 093051               | Praktikum Basisdata [Database - Practice]   | ı           | A  | 4.00       | 4.00             |
| 2   | 091023               | Pendidikan Kewarganegaraan [Civic Education]  | 3            | В          | 3.00      | 9.00             | 26 | 093062               | Pentrograman Berorientasi Objek [Object Oriented Programming] Praktikum Pentrograman Berorientasi | 2           | В  | 3.00       | 6.00             |
| 3   | 091033               | Bahasa Inggris<br>[English]   | 3            | В          | 3.00      | 9.00             | 27 | 093071               | Objek [Object Oriented Programming - Practice]  | ł           | В  | 3,50       | 3,50             |
| 4   | <mark>091043</mark>  | Kalkulus Dasar<br>[Culculus Basic]  | 3            | A          | 4.00      | 12.00            | 28 | 093082               | Pemrograman Web [Web Programming]   | 2           | В  | 3.50       | 7.00             |
| 5   | 091053               | Fisika Komputasi [Computational Physics]  | 3            | В          | 3.50      | 10.50            | 29 | 093091               | Praktikum Pemrograman Web [Web Programming - Practice]  | 1           | А  | 4.00       | 4.00             |
| 6   | 091062               | Pengantar Teknologi Informasi [Introduction To Information Technology]                        | 2            | В          | 3.50      | 7.00             | 30 | 093102               | Komunikasi Data [Data Communication]  | 2           | В  | 3.00       | 6,00             |
| 7   | 091072               | Organisasi Dan Arsitektur Komputer [Computer Architecture And Organization]                   | 2            | A          | 4.00      | 8.00             | 31 | 093123               | Kompleksitas Algoritma<br>[Complexity Algorithms]   | 3           | .A | 4.00       | 12.00            |
| 8   | 091082               | Aljabar Linear<br>[Linear Algebra]  | 2            | A          | 4.00      | 8.00             | 32 | 093152               | [Modelling And Simulation]  | 2           | В  | 3.00       | 6.00             |
| 9   | 091092               | Algoritma Dan Pemrograman [Algorithm And Programming]   | 2            | A          | 4.00      | 8.00             | 33 | 093161               | Praktikum Pemodelan Dan Simulasi [Modelling And Simulation - Practice]                            | ı           | В  | 3.00       | 3,00             |
| 0   | 091101               | Praktikum Algoritma Dan Pemrograman<br>[Programming And Algorithms -<br>Practise]             | 1            | A          | 4.00      | 4.00             | 34 | 094012               | Komputer Masyarakat<br>[Computer And Community]   | 2           | A  | 4.00       | 8.00             |
| 11  | <mark>0</mark> 92013 | Pendidikan Agama<br>[Religious Education]   | 3            | A          | 4,00      | 12.00            | 35 | 094022               | Sistem Manajemen Basis Data<br>[Datahase Management System]                                       | 2           | А  | 4.00       | 8.00             |
| 12  | 092023               | Ilmu Sosial Dan Budaya Dasar<br>[Basic Social And Cultural Sciences]                          | 3            | A          | 4.00      | 12.00            | 36 | 094031               | Praktikum Sistem Manajemen Basis Data [Database Management System - Practise]                     | 1           | В  | 3.50       | 3.50             |
| 3   | 092032               | Teori Graph Dan Otomata<br>[ <i>Graph Teory</i> ]   | 3            | A          | 4.00      | 12.00            | 37 | 094042               | Pemrograman Visual [Visual Programming]   | 2           | В  | 3.50       | 7.00             |
| 4   | 092043               | Matematika Diskrit [Discreate Match]  | 3            | A          | 4.00      | 12.00            | 38 | 094051               | Praktikum Pemrograman Visual [Visual Programming - Practise]                                      | 1           | В  | 3.50       | 3.50             |
| 5   | 092053               | Metode Numerik [Numerical Methods]  | 3            | В          | 3.50      | 10.50            | 39 | 094062               | Kecerdasan Buatan [Artificial Intelligence]   | 2           | A  | 4.00       | 8.00             |
| 6   | 092062               | Struktur Data [Data Structure]  | 2            | В          | 3.00      | 6.00             | 40 | 094071               | Praktikum Kecerdasan Buatan [Artificial Intelligence - Practise]                                  | 1           | A  | 4.00       | 4.00             |
| 7   | 092071               | Praktikum Struktur Data<br>[Structure Data - Practise]  | 1            | В          | 3.50      | 3.50             | 41 | 094082               | Pemrograman Framework [Framework Programming]   | 2           | A  | 4,00       | 8.00             |
| 8   | 092082               | Sistem Jaringan Komputer [Computer Networks System]   | 2            | A          | 4.00      | 8.00             |    | 094091               | Praktikum Pemrograman Framework [Framework Programming - Practise]                                | 1           | A  | 4.00       | 4.00             |
|     | 092091               | Praktikum Sistem Jaringan Komputer<br>[Computer Networks System - Practice]<br>Sistem Operasi | 1            | A          | 4.00      | 4.00             |    | 094102               | Kriptografi [Cryptography] Rekysteen Bongombongon Web   | 2           | В  | 3.50       | 7.00             |
| 0.0 | 092102               | [Operating System]  | 2            | В          | 3.00      | 6.00             | 44 | 094112               | Rekayasa Pengembangan Web [Web Development Engineering] Praktikum Rekayasa Pengembangan Web       | 2           | A  | 4.00       | 8.00             |
| 1   | 092111               | Praktikum Sistem Operasi [Operating System - Practice]  | 1            | A          | 4.00      | 4.00             | 45 | 094121               | [Web Development Engineering -<br>Practise]   | 1           | A  | 4.00       | 4.00             |
| 22  | 093012               | Sistem Digital [Digital System]   | 2            | Α          | 4.00      | 8.00             |    | 094172               | Teknologi Multimedia [Multimedia Technology]  | 2           | Α  | 4.00       | 8.00             |
|     | U4,5U2.5             | Rekayasa Perangkat Lunak [Software Engineering]   | 3            | В          | 3.00      | 9.00             |    | 094181               | Praktikum Teknologi Multimedia [Multimedia Technology - Practise]                                 | 1           | A  | 4.00       | 4.00             |
| 24  | 093033               | Sistem Keamanan Komputer [Security System Computer]   | 2            | A          | 4.00      | 8.00             | 48 | 095012               | Analisis Dan Desain Perangkat Lunak [Software Analysis And Design]                                | 2           | Α  | 4.00       | 8.00             |

| Riset Informatika [Informatics Research] Praktikum Analisis Dan Desain Perangkat Lunak [Software Analysis And Design - Practise] Komputer Grafik Dan Visualisasi [Computer Graphics] Praktikum Komputer Grafik Dan Visualisasi [Computer Graphics - Practise] | 1 2   | B<br>A<br>A   | 3.00<br>4.00   | 9.00<br>4.00   | 61  | 095141   | Praktikum Pemrograman Mobile [Mobile Programming - Practise]   | 1  | A  | 4.00   | 4.00   |
|---|---|---|--|--|---|--|--|--|--|--|--|
| Perangkat Lunak [Software Analysis And Design - Practise]  322 [Computer Grafik Dan Visualisasi [Computer Graphics] Praktikum Komputer Grafik Dan Visualisasi   |   |   | 4.00   | 4.00   | 62  |  |  |  |  | 1  |  |
| Komputer Grafik Dan Visualisasi<br>[Computer Graphics]<br>Praktikum Komputer Grafik Dan<br>Visualisasi  | 2   | A   | 1  |  | 02  | 096013   | Interaksi Manusia Dan Komputer [Human-computer Interaction]  | 3  | В  | 3,50   | 10.50  |
| 141 Visualisasi   | 1 10  |   | 4.00   | 8.00   | 63  | 096024   | Kuliah Kerja Nyata<br>[Community Services]   | 4  | A  | 4.00   | 16,00  |
| 111. Comparer vicabnics - Practise  | £   | A   | 4.00   | 4.00   | 64  | 096033   | Etika Dan Profesionalis Informatika [Professional Ethics]  | 3  | В  | 3.00   | 9.00   |
| Probabilitas Dan Statistika [Probability And Statistics]  | 2   | В   | 3.50   | 7.00   | 65  | 096042   | Technopreneurship [Technopreneurship]  | 2  | Α  | 4.00   | 8.00   |
| Statistika [Probability And Statistics -  | 1   | В   | 3.50   | 3.50   | 66  | 096052   | Praktek Kerja Lapangan<br>[Field Work]   | 2  | A  | 4.00   | 8.00   |
| Data Mining Dan Data<br>Warehousing<br>[Data Mining And Data  | 3   | В   | 3.50   | 10.50  | 67  | 096092   | Audit Sistem Informasi [Information Systems Ayditing]  | 2  | A  | 4.00   | 8.00   |
| Pemrograman Web Enterprise [Web Enterprise Programming]   | 2   | В   | 3.50   | 7.00   | 68  | 096122   | Basisdata Terdistribusi [Distributed Databases]  | 2  | A  | 4.00   | 8.00   |
| 102   Enterprise   Enterprise   Programming -   | 1   | В   | 3.50   | 3.50   | 69  | 096131   | Praktikum Basisdata Terdistribusi<br>[Distributed Databases - Practise]  | 1  | Α  | 4.00   | 4.00   |
| Pemrograman Framework Lanjutan [Advanced Programming Framework]   | 2   | Α   | 4.00   | 8,00   | 70  | 096142   | Sistem Pendukung Keputusan [Decision-support System]   | 2  | ۸  | 4.00   | 8.00   |
| Framework Lanjutan [Advanced Programming  | 1   | A   | 4.00   | 4.00   | 71  | 190901606W065  | Skripsi<br>[Thesis]  | 6  | A  | 4.00   | 24.00  |
| Pemrograman Mobile [Mobile Programming]   | 2   | A   | 4.00   | 8.00   | 72  | IF3042   | Basisdata<br>[Database]  | 2  | A.   | <b>4.0</b> 0   | 8.00   |
| 000   | [Probability And Statistics] Praktikum Probabilitas Dan Statistika [Probability And Statistics - Practise] Data Mining Dan Data Warchousing [Data Mining And Data Warchousing] Pemrograman Web Enterprise [Web Enterprise Programming] Praktikum Pemrograman Web Enterprise [Web Enterprise Programming - Practise] Pemrograman Framework Lanjutan [Advanced Programming Framework] Praktikum Pemrograman [Advanced Programming Framework Lanjutan [Advanced Programming Framework - Practise] Pemrograman Mobile | [Probability And Statistics] Praktikum Probabilitas Dan Statistika [Probability And Statistics - Practise] Data Mining Dan Data Warchousing [Data Mining And Data Warchousing] Pemrograman Web Enterprise [Web Enterprise Programming] Praktikum Pemrograman Web Enterprise [Web Enterprise Programming - Practise] Pemrograman Framework Lanjutan [Advanced Programming Praktikum Pemrograman Framework] Praktikum Pemrograman Framework Lanjutan [Advanced Programming Pramework - Practise] Pemrograman Mobile | Probability And Statistics   Praktikum Probabilitas Dan Statistika   Probability And Statistics - Practise   Data Mining Dan Data   Warchousing   Data Mining And Data   Warchousing   Pennograman Web Enterprise   Programming   Praktikum Pemrograman Web   Enterprise   Programming - Practise   Pennograman Framework Lanjutan   A   Praktikum Pemrograman   A   Praktik | Probability And Statistics   Probability And Statistics     Probability And Statistics - Practise     Data Mining Dan Data     Warchousing   Data Mining And Data     Warchousing   Pemrograman Web Enterprise     Web Enterprise Programming   Praktikum Pemrograman Web     Enterprise   Programming   Practise     Pemrograman Framework Lanjutan     A 4.00     Framework   Practise     A 4.00     Framework - Practise     Pemrograman Mobile   A 4.00     Pemrograman Mobile   A 4.00 | Probability And Statistics   Praktikum Probabilitas Dan | Probability And Statistics   Praktikum Probabilitas Dan Statistika   Probability And Statistics   Practise   Data Mining Dan Data   Warchousing   Data Mining And Data   Warchousing   Permograman Web Enterprise Programming   Praktikum Pemrograman Web Enterprise Programming   Praktikum Pemrograman Web Enterprise Programming   Practise   Pemrograman Framework Lanjutan   Praktikum Pemrograman   Praktikum Pemrogramming   Praktikum Pemrogramming   Praktikum Pemrogramming   Praktikum Pemrogramming   Praktikum Pemrogramming   Praktikum Pemrogramming   Pramework Lanjutan   A 4.00 8.00 70   Praktikum Pemrogramming   Pramework Lanjutan   A 4.00 4.00 71   Praktikum Pemrogramming   Pramework Practise   Pemrograman Mobile   Practice   Pra | Probability And Statistics   Praktikum Probabilitas Dan   Statistika   Probability And Statistics   Praktikum Probabilitas Dan   Practike   Probability And Statistics   Practike   Data Mining Dan Data   Warchousing   Data Mining Dan Data   Warchousing   Data Mining And Data   Warchousing   Pemrograman Web Enterprise Programming   Praktikum Pemrograman Web   Enterprise Programming   Praktikum Pemrograman Web   Enterprise Programming   Practise   Pemrograman Framework Lanjutan   Advanced Programming   Praktikum Pemrograman   Practikum Pemrograman   Pramework Lanjutan   Pramework Lanjutan   Pramework Lanjutan   Pramework Lanjutan   Advanced Programming   Praktikum Pemrograman   Pramework Lanjutan   Pramework Lanjut | [Probability And Statistics] Praktikum Probabilitas Dan Statistika [Probability And Statistics - Practise] Data Mining Dan Data Warchousing [Data Mining And Data Warchousing] Pemrograman Web Enterprise [Meb Enterprise Programming - Practise] Praktikum Pemrograman Framework Lanjutan [Advanced Programming   Praktikum Pemrograman   1 | Probability And Statistics   Praktikum Probabilitas Dan   Statistika   Probability And Statistics   Praktikum Pand Data   Warchousing   Pata Mining Dan Data   Basisdata Tendistribusi   Praktikum Programming   Praktikum Pemrograman Web   Praktikum Pemrograman Web   Praktikum Pemrograman Prantikum Praktikum Pr | Probability And Statistics   Praktikum Probabilitas Dan   Statistika   Praktikum Probabilitas Dan   Praktikum Probabilitas Dan   Praktikum Probabilitas Dan   Praktikum Probability And Statistics - Practise   Data Mining Dan Data   Praktikum Practise   Data Mining Dan Data   Praktikum Practise   Data Mining Dan Data   Praktikum Practise   Pra | Probability And Statistics   Praktikum Probabilitas Dan   Praktikum Probability And Statistics - Practise   Data Mining Dan Data   Praktikum Probability And Statistics - Practise   Data Mining Dan Data   Praktikum Praktikum Praktikum Praktikum Praktikum Praktikum Praktikum Praktikum Praktikum Programan Web Enterprise   Praktikum Programan Web Enterprise   Praktikum Programan Praktikum Programan Praktikum Programan Praktikum Programan Praktikum Programan   Praktikum Programan Praktikum Programan Praktikum Programan Praktikum Programan Praktikum Programan Praktikum Programan   Praktikum Programan Praktikum Programan Pramework Lanjutan   Praktikum Programan Pramework Practise   Praktikum Praktikum Programan Pramework Practise   Praktikum Programan Pramework Practise   Praktikum Praktikum Programan Pramework Practise   Praktikum Praktikum Praktikum Programan Pramework Practise   Praktikum P |

JUDUL SKRIPSI [UNDERGRADUATE THESIS TITLE]

: Sistem Rekomendasi Buku Perpustakaan Universitas Mulawarman Dengan Metode Item-Based Collaborative Filtering
[Book Recommendation System In Mulawarman University Library Using Item Based Collaborative Filtering Method]

TANGGAL LULUS [GRADUATION DATE] INDEKS PRESTASI KUMULATIF (IPK)

: 02 September 2021 [September 02, 2021]

: 3,72 (Tiga Koma Tujuh Dua) | Three Point Seven Two|

[Grude-point Average]
PREDIKAT KELULUSAN [Graduation Notation] : Sangat Memuaskan (tery Satuthany)
Keterangun : - SKS : Satuan Kredit somester - NH : Nilai Huntf [A-E] - NB : Nilai Bobot [0.00-4.00]

Note: - SCU: Semester Credit Unit - QL: Qualitative Letter [A-E] - QN: Quantitative Number [0.00-4.00]

## Mengetahui

Wakil Dekan Bidang Akademik, Kemahasiswaan & Alumni

[Vice Dean for Academic, Student & Alumni Affairs] 💰

Prof. Dr. Ir. H. Tamrin Rahman, S.T., M.T NIP:197002272000121001

Samarinda, 09 Desember 2021



NIP 197101021995121001