

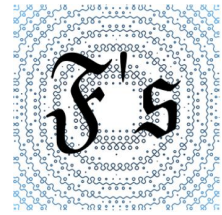


MUHAMMAD REZA FAHLEVI

(+62) 812-7548-0237 ◊ muhammadrezafahlevi666@gmail.com

◊ Github: github.com/m-RezaFahlevi ◊ Website:

<https://www.fahlevisia.com/mrfahlevi/>



EDUCATION

Universitas Sumatera Utara (Medan, Sumatera Utara)

Aug 2018 - 2022

- Bachelor of Computer Science (Sarjana Komputer — **S.Kom.**)
- GPA (IPK): 3.56 / 4.00 (3,56 / 4,00)
- *Department of Computer Science*, Faculty of Computer Science and Information Technology.
- Concentration: Evolutionary Computation | Heuristic Method | Numerical Analysis
- Favorite classes : Design & Analysis of Algorithms | Artificial Intelligence & Intelligence System | Heuristic Method | Probability and Statistics | Numerical Analysis | Image Processing | Modeling Technique and Simulation | Calculus | Discrete Mathematics | Automata — Grammar and Language

RESEARCH

Paper

- Finding Heuristical Value of Z, T, Chi Square, and F Based On Dynamic Significance Level.

Published

- Muhammad Reza Fahlevi, & Budiman, M. A. (2021). Computing the Value of Pi in the Manner of Lambda Function with R Statistical Programming Language. *Data Science: Journal of Computing and Applied Informatics*, 5(1), 39-48. <https://doi.org/10.32734/jocai.v5.i1-5556>

Non Peer-Reviewed

- Fahlevi, M.R. (2024) "The Description of Every Constructors, Functions Member, and Functions of Limav". Available: <https://www.fahlevisia.com/paper/2024/fsr3/>
- Fahlevi, M.R. (2024) "Limav: Computation of Vectors and Matrix in Linear Algebra." Available: <https://www.fahlevisia.com/paper/2024/fsr2/>
- Fahlevi, M.R. (2024) "Linav: Computation of Vectors in Linear Algebra." Available: <https://www.fahlevisia.com/paper/2024/fsr1/>

WORK EXPERIENCE

Badan Pusat Statistik Kab. Kampar - Software Developer Intern

Jul - Aug 2021

- Build a software for *Desa Cinta Statistik Desa Laboy Jaya* using R Shiny framework

PROJECTS

ShinyImageProcessing: An image processing app simulation contain blurring, RGB filtering, Median filtering, 3×3 kernel convolution, generate 3 type of noise in images, and edge detection, ShinyImageProcessing is created by using framework for creating web application using R code, shiny.

RCGA: A real-coded genetic algorithm for solving real-parameter optimization problem for function in R^3 , written in R and Python.

ilkom: R packages to find critical value of statistics z, t, χ^2 , and f for dynamic significance level by using heuristics procedure based on binary search, bisection method, and tabu search.

VNS: Minimizing error sum of square (SSE) of multi-linear regression model using Variable Neighborhood Search for continuous optimization problem.

TSP: Solving Travelling Salesman Problem (TSP) by using Simulated Annealing (SA) and Tabu Search (TS) algorithm.

limav.h: A C++ header as an extension `std::vector` for computation of vectors and matrix.

TECHNICAL SKILLS AND INTEREST

Languages	R Python Julia C++ LaTeX MySQL Javascript HTML and CSS Bootstrap Java PHP
Software & Tools	LyX High Level LaTeX Frontend RStudio Visual Studio Code VIM R shiny dplyr ggplot2 plotly pandas Jupyter
Current Interest	(Meta) Heuristic Method Numerical Analysis Probability & Statistics Pattern Recognition and Machine Learning Design & Analysis Algorithm
Awards	Participant in Province Science Olympiad for Chemistry, year 2017 Participant in Province English Debate Competition



Nomor Ijazah Nasional: 552012022000928

UNIVERSITAS SUMATERA UTARA

memberikan kepada

Muhammad Reza Fahlevi

Lahir di Salo, tanggal 10 Februari 2000

Ijazah

Sarjana Komputer (S.Kom.)

Program Studi Ilmu Komputer

Fakultas Ilmu Komputer dan Teknologi Informasi

dengan segala hak dan kewajiban yang melekat pada gelar akademik tersebut.

Diberikan di Medan pada tanggal 15 Agustus 2022



Dekan

Dr. Maya Silvi Lydia, B.Sc., M.Sc.

NIP 197401272002122001



Rektor

Dr. Muryanto Amin, S.Sos., M.Si.


NIP 197409302005011002

No. Seri: **134801**

Identitas Tambahan Pemilik Ijazah

Nomor Ijazah Universitas	: 2265/UN5.2.1.14/LLS/S-1/2022
Nomor Induk Mahasiswa (NIM)	: 181401139
Program Pendidikan Tinggi	: Sarjana
Nomor Induk Kependudukan (NIK) / Nomor Paspor (WNA)	: 1401131002000001
Nomor Keputusan Akreditasi Perguruan Tinggi	: 23/SK/BAN-PT/Akred/PT/II/2018
Peringkat Akreditasi Perguruan Tinggi	: A
Masa Berlaku Akreditasi Perguruan Tinggi	: 27 Februari 2018 - 27 Februari 2023
Nomor Keputusan Akreditasi Program Studi	: 3690/SK/BAN-PT/AK-ISK/S/VI/2022
Peringkat Akreditasi Program Studi	: Unggul
Masa Berlaku Akreditasi Program Studi	: 14 Juni 2022 - 21 Mei 2024
Tanggal Kelulusan	: 15 Agustus 2022

Tanda Tangan Pemilik Ijazah



Muhammad Reza Fahlevi



UNIVERSITAS SUMATERA UTARA
FAKULTAS ILMU KOMPUTER DAN TEKNOLOGI INFORMASI
TRANSKRIP AKADEMIK



Academic Transcript
Nomor Transkrip 2265/UN5.2.1.14/LLS/S-1/2022
Nomor Ijazah Nasional 552012022000928

Nama Mahasiswa / *Name of Student* : Muhammad Reza Fahlevi
 Tempat/Tanggal Lahir / *Date of Birth* : Salo, 10 Februari 2000
 Nomor Induk Mahasiswa / *Student ID Number* : 181401139
 Program Pendidikan Tinggi / *Education Program* : Sarjana
 Departemen/Program Studi / *Department/Study Program* : Ilmu Komputer / *Computer Science*
 Tanggal Terdaftar / *Date of Entry* : 08 Agustus 2018
 Tanggal Kelulusan / *Date of Completion* : 15 Agustus 2022
 Prestasi Akademik / *Academic Result*
 Jumlah SKS / *Number of Credit* : 144
 Indeks Prestasi / *Grade Point Average* : 3.56
 Predikat / *Predicate* : Dengan Pujian / *Cum Laude*



Judul Skripsi / *Paper* :

MENCARI NILAI STATISTIK Z, T, CHI SQUARE DAN F SECARA HEURISTIK BERDASARKAN DYMANIC SIGNIFICANCE LEVEL / *FINDING HEURISTICAL VALUE OF Z, T, CHI SQUARE AND F BASED ON DYMANIC SIGNIFICANCE LEVEL*

No.	Kode/ Code	Nama Mata Kuliah/ <i>Subjects</i>	SKS/ Credit	Nilai/ Grade
1	ILK1200	Kalkulus / <i>Calculus</i>	2	B+
2	ILK1201	Konsep Dasar Pemrograman / <i>Basic Concepts of Programming</i>	3	B+
3	ILK1201P	Prakt.Konsep Dasar Pemrograman / <i>Basic Concepts of Programming Laboratory</i>	1	A
4	ILK1202	Logika Komputer / <i>Computer Logic</i>	3	A
5	ILK1203	Pengantar Ilmu Komputer / <i>Introduction to Computer Science</i>	2	B+
6	ILK1203P	Prakt.Pengantar Ilmu Komputer (Ketrampilan instalasi komputer) / <i>Introduction to Computer Science Laboratory</i>	1	B+
7	UNI1201	Pendidikan Agama Islam / <i>Islam Religion Education</i>	2	B+
8	UNI1206	Fisika Dasar / <i>Basic Physic</i>	2	A
9	UNI1207	Bahasa Inggris / <i>English Language</i>	2	B+
10	ILK1204	Matematika Diskrit / <i>Discrete Mathematics</i>	3	B
11	ILK1205	Algoritma&Pemrograman(C/C++) / <i>Algorithm and Programming (C/C++)</i>	2	A
12	ILK1205P	Prakt.Algoritma & Pemrograman / <i>Algorithm and Programming Laboratory (C/C++)</i>	1	A
13	ILK1206	Pemrograman Web I / <i>Web Programming I</i>	2	A
14	ILK1206P	Prakt.Pemrograman Web I / <i>Web Programming Laboratory I</i>	1	A
15	ILK1207	Sistem Digital / <i>Digital System</i>	2	A
16	ILK1207P	Prakt.Sistem Digital / <i>Digital System Laboratory</i>	1	B+
17	ILK1208	Probabilitas & Statistika / <i>Probability and Statistics</i>	2	A
18	ILK1208P	Prakt.Probabilitas & Statistika / <i>Probability and Statistics Laboratory</i>	1	A
19	KLD112	Praktikum Fisika Dasar II / <i>Basic Physic II Laboratory</i>	1	B+
20	UNI1208	Bahasa Indonesia / <i>Indonesian Language</i>	2	B
21	UNI1209	Pancasila dan Kewarganegaraan / <i>Pancasila and Citizenship</i>	3	A
22	ILK2209	Aljabar Linier / <i>Linier Algebra</i>	3	B+
23	ILK2210	Pemrograman Berorientasi Objek/Java / <i>Object Oriented Programming/Java</i>	3	A
24	ILK2210P	Prakt.Pemrograman Berorientasi Objek / <i>Object Oriented Programming Laboratory/JAVA</i>	1	A
25	ILK2211	Struktur Data dan Algoritma / <i>Data Structures and Algorithms</i>	3	B
26	ILK2211P	Prakt.Sistem Manajemen Database / <i>Database Management System Laboratory</i>	1	A
27	ILK2212	Sistem Manajemen Database / <i>Database Management System</i>	2	C+
28	ILK2212P	Prakt.Stuktur Data dan Algoritma / <i>Data Structures and Algorithms Laboratory</i>	1	A
29	ILK2213	Pemrograman/Semantic Web 2 / <i>Semantic Web Programming 2</i>	2	A
30	ILK2213P	Prakt.Pemrograman Web2 / <i>Semantic Web Programming 2 Laboratory</i>	1	A
31	ILK2214	Kewirausahaan / <i>Entrepreneurship</i>	2	A
32	ILK2215	Komunikasi Data dan Jaringan Komputer / <i>Data Communications and Computer Network</i>	3	B+
33	ILK2215P	Prakt.Komunikasi Data dan Jaringan Komputer / <i>Data Communications and Computer Network Laboratory</i>	1	B+
34	ILK2216	Komputer Grafik dan Visualisasi / <i>Computer Graphic and Visualization</i>	2	B
35	ILK2216P	Prakt.Komputer Grafik dan Visualisasi / <i>Computer Graphic and Visualization Laboratory</i>	1	B+
36	ILK2217	Organisasi dan Arsitektur Komputer / <i>Computer Architecture and Organization</i>	2	B+
37	ILK2217P	Prakt.Organisasi dan Arsitektur Komputer / <i>Computer Architecture and Organization Laboratory</i>	1	A
38	ILK2218	Pemrograman Visual / <i>Visual Programming</i>	2	B
39	ILK2218P	Prakt.Pemrograman Visual / <i>Visual Programming Laboratory</i>	1	B+
40	ILK2219	Sistem Informasi / <i>Information System</i>	2	B
41	ILK2219P	Prakt.Sistem Informasi / <i>Information System Laboratory</i>	1	C
42	ILK2220	Kecakapan Antar Personal / <i>Interpersonal Skills</i>	2	B
43	ILK2221	Teori Bahasa Otomata (TBO) / <i>Theory of Language and Automata</i>	2	A

Nama Mahasiswa / Name of Student : Muhammad Reza Fahlevi
 Nomor Induk Mahasiswa / Student ID Number : 181401139
 Program Studi / Study Program : Ilmu Komputer / Computer Science

No.	Kode/ Code	Nama Mata Kuliah/ Subjects	SKS/ Credit	Nilai/ Grade
44	ILK3222	Desain & Analisis Algoritma(DAA) / Design and Analysis Algorithm	3	A
45	ILK3222P	Prakt.Desain & Analisis Algoritma(DAA) / Design and Analysis Algorithm Laboratory	1	A
46	ILK3223	Analisis Numerik / Numerical Analysis	2	B+
47	ILK3223P	Prakt.Analisis Numerik / Numerical Analysis Laboratory	1	A
48	ILK3224	Mikroprosesor dan Assembly(MA) / Microprocessor and Assembly	2	A
49	ILK3224P	Prakt.Mikroprosesor dan Assembly(MA) / Mikroprosesor dan Assembly Laboratory	1	A
50	ILK3225	Pengolahan Citra / Image Processing	2	B
51	ILK3225P	Prakt.Pengolahan Citra / Image Processing Laboratory	1	A
52	ILK3226	Sistem Database Lanjutan / Advanced Database System	2	C+
53	ILK3226P	Prakt.Sistem Database Lanjutan / Advanced Database Systems Laboratory	1	A
54	ILK3232	Sistem Operasi / Operation System	3	C+
55	ILK3233	Rekayasa Perangkat Lunak (RPL) / Software Engineering	3	A
56	ILK3233P	Prakt.Rekayasa Perangkat Lunak (RPL) / Software Engineering Laboratory	1	A
57	ILK3234	Pengajaran Berbantuan Komputer (PBK) / Computer-Aided Learning	2	B
58	ILK3234P	Prakt.Pengajaran Berbantuan Komputer(PBK) / Computer-Aided Learning Laboratory	1	A
59	ILK3235	Kecerdasan Buatan dan Sistem Cerdas (AI) / Artificial Intelligence and Intelligence System	2	C+
60	ILK3235P	Prakt.Kecerdasan Buatan dan Sistem Cerdas (AI) / Artificial Intelligence and Intelligence System Laboratory	1	B+
61	ILK3236	Teknik Kompilasi / Compilation Technique	2	A
62	ILK3236P	Prakt.Teknik Kompilasi / Compilation Technique Laboratory	1	B+
63	ILK3237	Metodologi Penelitian Informatika (MPI) / Informatics Research Methodology	2	A
64	ILK3243	Heuristic Method / Heuristic Method(*RKB)	3	A
65	ILK4245	Teknik Pemodelan&Simulasi / Modeling and Simulation Techniques	3	B
66	ILK4246	Etika Profesi / Professional Ethics	2	B+
67	ILK4247	Information Technology Audit (IT Audit) / Information Technology Audit (IT Audit)	2	A
68	ILK4248	Interaksi Manusia dan Komputer(IMK) / Human and Computer Interaction	2	A
69	ILK4249	Manajemen Proyek Informatika / Project Manajement Information	2	A
70	ILK4249P	Prakt.Manajemen Proyek Informatika / Project Management Information Laboratory	1	A
71	ILK4250	Mobile Programming / Mobile Programming	2	A
72	ILK4250P	Prakt.Mobile Programming / Mobile Programming Laboratory	1	A
73	ILK4251P	Praktik Kerja Lapangan(PKL) / Field Work Practice	2	A
74	ILK4252	Sistem Terdistribusi / Distributed Systems	3	D
75	ILK4256	Robotika / Robotics	2	A
76	ILK4256P	Prakt.Robotika / Robotics Laboratory	1	A
77	ILK4257P	Tugas Akhir / Thesis	6	A

Catatan : * = matakuliah transfer

Ketua Program Studi
 Head of Study Program,

Dr. Amalia, S.T., M.T.
 NIP.197812212014042001

Medan, 15 Agustus 2022

Dekan
 Dean

Dr. Maya Silmi Lydia, B.Sc., M.Sc.
 NIP.197401272002122001

Nilai / Grade	Makna / Meaning
A	Sangat Baik/ Excellent
B+	Baik/ Good

Nilai / Grade	Makna / Meaning
B	Baik/ Good
C+	Cukup/ Average

Nilai / Grade	Makna / Meaning
C	Cukup/ Average
D	Kurang/ Poor



SERTIFIKAT

097/B/SRT/SEK-PAN/HIMASTA-FMIPA-USU/III/2022

Diberikan Kepada:

MUHAMMAD REZA FAHLEVI

Atas Partisipasinya Sebagai:

PESERTA

Dalam Kegiatan Pelatihan Olah Data Dengan Software R Dengan Tema: "Implementasi
Software R Dalam Olah Data Di Era Digital"

Yang Diselenggarakan Oleh HIMASTA USU

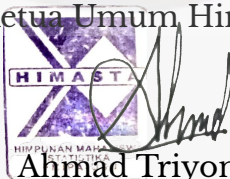
Medan, 19 Maret 2022

Ketua Program Studi

Dr. Open Darnius, M. Sc

NIP. 196410141991031004

Ketua Umum Himasta



Ahmad Triyono

NIM 192407003

Ketua Panitia



Sry Ayu Saragih

NIM 192407046

R (Programming Language) assessment



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Show your badge on your profile and in recruiter searches

On ☒



Muhammad Reza

Fahlevisia Repositori Digital Personal

R (Programming Language)



LinkedIn Skill Assessment badge

Python (Programming Language) assessment



Great Work! You earned a badge.

You're in the **top 30%** of 4.8M people who took this. [i](#)

Show your badge on your profile and in recruiter searches

On ☒



Muhammad Reza

Fahlevisia Repositori Digital Personal

Python (Programming Language)



LinkedIn Skill Assessment badge