



**Kampus
Merdeka**
INDONESIA JAYA

CERTIFICATE OF COMPLETION

THIS CERTIFIES THAT

Diva Juan Nur Taqarrub

Has Successfully Completed
Studi Independen Bersertifikat
Supported by Kampus Merdeka

Back End Java Wave 4

16 Feb 2023 – 30 Jun 2023

Alamanda Shantika
President Director of Binar Academy

12304841



BADAN NASIONAL
SERTIFIKASI PROFESI
INDONESIAN PROFESSIONAL
CERTIFICATION AUTHORITY

SERTIFIKAT KOMPETENSI CERTIFICATE OF COMPETENCE

No. 62010 2512 5 0005379 2024

Dengan ini menyatakan bahwa,
This is to certify that,

DIVA JUAN NUR TAQARRUB

No. Reg. TIK 1159 00533 2024

telah kompeten pada bidang:
is competent in the area of :

**Komunikasi dan Informatika
Communication and Informatics**

dengan Kualifikasi / Kompetensi:
with Qualification / Competency:

**Skema Sertifikasi Okupasi Pemrogram Mobil Pratama
Certification Scheme of Junior Mobile Programmer**

sertifikat ini berlaku untuk : 3 (tiga) tahun
The certificate is valid for : 3 (three) years

Semarang, 22 April 2024
Semarang, April 22nd, 2024

Atas Nama Badan Nasional Sertifikasi Profesi
On Behalf of Indonesian Professional Certification Authority
Lembaga Sertifikasi Profesi Universitas Dian Nuswantoro
Dian Nuswantoro University Professional Certification Institution



LEMBAGA SERTIFIKASI PROFESI
UNIVERSITAS DIAN NUSWANTORO

Prof. Dr. Ir. Edi Noersasongko, M. Kom.

Ketua Dewan Pengarah
Chairman of Steering Board



Daftar Unit Kompetensi

List of Competency Units

Nama Skema: Pemrogram Mobil Pratama
Name of Scheme : Junior Mobile Programmer

No	Kode Unit Kompetensi <i>Code of Competency Unit</i>	Judul Unit Kompetensi <i>Title of Competency Unit</i>
1.	J.612000.001.01	Menunjukkan platform operating system dan bahasa Pemrogram di dalam perangkat lunak <i>Showing the operating system platform and Programming language in the software</i>
2.	J.612000.003.01	Merancang database dan data persistence pada mobile data <i>Designing the database and data persistence in the mobile data</i>
3.	J.612000.006.01	Menyusun mobile location based service, GPS, dan mobile navigation <i>Arranging the mobile location based service, GPS, and mobile navigation</i>
4.	J.612000.007.01	Merancang mobile interface <i>Designing the mobile interface</i>
5.	J.612000.008.01	Menjelaskan dasar-dasar mobile security <i>Describing the mobile security basics</i>
6.	J.612000.022.01	Menjelaskan mobile sensor dan spesifikasi teknisnya untuk mobile computing <i>Describing the mobile sensor and technical specification for mobile computing</i>
7.	J.612000.025.01	Menentukan mobile sellular network <i>Determining the mobile cellular network</i>

Semarang, 22 April 2024

Semarang, April 22nd, 2024

Lembaga Sertifikasi Profesi Universitas Dian Nuswantoro
Dian Nuswantoro University Professional Certification Institution



Divia Juan Nur Taqarrub

Tanda tangan pemilik
Signature of Holder

Dr. Supriyono Asfawi, SE., M.Kes.

Direktur LSP
Director of Professional Certification Institution

NO: CFLT-20240126-CFLT-00432



Center for Foreign Language Training

Faculty of Humanities, Universitas Dian Nuswantoro

Nakula I Street No.5-11 D Building 3rd Floor | Telp. 081215000472

Email: cflt@fib.dinus.ac.id | Instagram: @cflt_udinus | Facebook: Cflt Udinus

CERTIFICATE OF ACHIEVEMENT

THIS IS TO CERTIFY THAT

DIVA JUAN NUR TAQARRUB

has taken English Proficiency Assessment conducted on **13 Jan 2024**
with the following scaled scores:

Listening Comprehension	:	51
Structure & Written Expression	:	48
Reading Comprehension	:	48
Total Score	:	490

CFLT
Center for
Foreign Language
Training
Agnes Erliva S.S., M.Pd
Coordinator

Valid to: 13 Jan 2026



UNIVERSITAS DIAN NUSWANTORO
DIAN NUSWANTORO UNIVERSITY

Alamat / Address : Jl. Imam Bonjol No. 207 Semarang 50131

Telp. / Phone : (024) 3517261, 3520165, Fax. (024) 3569684

Homepage : <http://www.dinus.ac.id> ; E-mail : sekretariat@dinus.ac.id

TRANSKRIP AKADEMIK
ACADEMIC TRANSCRIPT

(Excellent Accreditation by BAN-PT Republic of Indonesia, number: 107/SK/BAN-PT/AK-ISK/PT/III/2022)

Nomor / Number : TA.A11.026552.09195

Fakultas / Faculty: Ilmu Komputer / Computer Science

Program Studi / Study Program : Teknik Informatika / Informatics

Program Pendidikan / Education Program : Sarjana / Undergraduate

Nama : DIVA JUAN NUR TAQARRUB

Nomor Pokok Mahasiswa : A11202012560

Tempat / Tanggal Lahir : SEMARANG, 25 Juni 2002

Tanggal Lulus : 3 Juli 2024

Mata Kuliah Courses	Sem. Sem.	SKS Credit	Nilai Grade	Mata Kuliah Courses	Sem. Sem.	SKS Credit	Nilai Grade
01 BAHASA INDONESIA <i>The Indonesian Language</i>	1	2	A	23 REKAYASA PERANGKAT LUNAK LANJUT <i>Advanced Software Engineering</i>	3	3	AB
02 DASAR DASAR KOMPUTASI <i>Fundamental of Computing</i>	1	2	A	24 SISTEM BASIS DATA <i>Database Systems</i>	3	3	A
03 DASAR PEMROGRAMAN <i>Basic Programming</i>	1	4	A	25 SISTEM INFORMASI <i>Information Systems</i>	3	3	B
04 KALKULUS 1 <i>Calculus 1</i>	1	4	A	26 STRUKTUR DATA <i>Data Structures</i>	3	4	A
05 MATEMATIKA DISKRIT <i>Discrete Mathematics</i>	1	3	B	27 KECERDASAN BUATAN <i>Artificial Intelligence</i>	4	3	A
06 ORGANISASI DAN ARSITEKTUR KOMPUTER <i>Organization and Architecture of Computer</i>	1	3	B	28 OTOMATA DAN TEORI BAHASA <i>Automata and Theory of Languages</i>	4	3	B
07 PEMROGRAMAN BERBASIS WEB <i>Web Based Programming</i>	1	2	A	29 PEMROGRAMAN BERORIENTASI OBJEK <i>Object-Oriented Programming</i>	4	4	B
08 PENDIDIKAN AGAMA ISLAM <i>Islamic Religion Education</i>	1	2	A	30 PROBABILITAS & STATISTIK <i>Probability & Statistics</i>	4	3	A
09 PENGANTAR TEKNOLOGI INFORMASI <i>Introduction to Information Technology</i>	1	2	B	31 PROYEK PERANGKAT LUNAK <i>Software Project</i>	4	3	A
10 ALGORITMA DAN PEMROGRAMAN <i>Algorithm and Programming</i>	2	4	A	32 SISTEM OPERASI <i>Operating Systems</i>	4	3	A
11 BASIS DATA <i>Databases</i>	2	3	A	33 ETIKA PROFESI <i>Professional Ethics</i>	5	2	AB
12 DASAR KEWIRAUSAHAAN <i>Entrepreneurship</i>	2	2	A	34 FISIKA 2 <i>Physics 2</i>	5	4	B
13 FISIKA 1 <i>Physics 1</i>	2	4	AB	35 MANAJEMEN PROYEK <i>Project Management</i>	5	3	A
14 LOGIKA INFORMATIKA <i>Logic for Informatics</i>	2	3	AB	36 PENAMBANGAN DATA <i>Data Mining</i>	5	3	A
15 PEMROGRAMAN WEB LANJUT <i>Advanced Web Programming</i>	2	2	A	37 TECHNOPRENEURSHIP <i>Technopreneurship</i>	5	2	B
16 PENDIDIKAN PANCASILA <i>State Ideology Education</i>	2	2	B	38 BAHASA INGGRIS <i>English</i>	6	2	AB
17 RANGKAIAN LOGIKA DIGITAL <i>Digital Logic Circuits</i>	2	2	BC	39 INTERAKSI MANUSIA DAN KOMPUTER <i>Human and Computer Interaction</i>	6	3	A
18 REKAYASA PERANGKAT LUNAK <i>Software Engineering</i>	2	3	A	40 KALKULUS 2 <i>Calculus 2</i>	6	4	AB
19 JARINGAN KOMPUTER <i>Computer Networks</i>	3	3	B	41 KOMPUTER GRAFIK <i>Computer Graphics</i>	6	3	A
20 MATRIKS DAN RUANG VEKTOR <i>Matrices and Vector Spaces</i>	3	3	A	42 KRIPTOGRAFI <i>Cryptography</i>	6	3	A
21 PEMROGRAMAN PERANGKAT BERGERAK <i>Mobile Programming</i>	3	3	A	43 LITERASI INFORMASI <i>Information Literacy</i>	6	2	B
22 PENDIDIKAN KEWARGANEGARAAN <i>Citizenship Education</i>	3	2	A	44 SISTEM TERDISTRIBUSI <i>Distributed Systems</i>	6	3	A



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Program Pendidikan / Education Program : Sarjana / Undergraduate

Nama
Name

: DIVA JUAN NUR TAQARRUB

Nomor Pokok Mahasiswa

: A11202012560

Tempat / Tanggal Lahir
Place and date of birth

: SEMARANG, 25 Juni 2002

Tanggal Lulus
Date of Graduation

: 3 Juli 2024

Mata Kuliah Courses	Sem. Sem.	SKS Credit	Nilai Grade	Mata Kuliah Courses	Sem. Sem.	SKS Credit	Nilai Grade
45 GAME PROGRAMMING <i>Game Programming</i>	7	3	A	49 TUGAS AKHIR 1 <i>Thesis 1</i>	7	2	A
46 JAMINAN KUALITAS PERANGKAT LUNAK <i>Software Quality Assurance</i>	7	3	BC	50 BIMBINGAN KARIR <i>Career Guidance</i>	8	2	A
47 KERJA PRAKTEK <i>Internship</i>	7	2	A	51 TUGAS AKHIR 2 <i>Thesis 2</i>	8	4	A
48 METODOLOGI PENELITIAN <i>Research Methodology</i>	7	2	A				
Indeks Prestasi Kumulatif (IPK) / <i>Grade Point Average (GPA)</i> : 3.67							
Jumlah SKS / <i>Total of Credit</i> : 144							
Gelar / <i>Degree</i> : Sarjana Komputer (S.Kom)							
Jumlah (SKS x Bobot) / <i>Total of (Credit x Weight)</i> : 528.5							
Predikat / <i>Predicate</i> : Dengan Pujian / <i>Cum Laude</i>							
Judul Tugas Akhir	: IMPLEMENTASI BEHAVIOUR TREE TERHADAP BOSS AI DALAM GAME 2D PLATFORMER ETERNAL TWILIGHT						
Title of Thesis	: BEHAVIOR TREE IMPLEMENTATION OF BOSS AI IN 2D PLATFORMER GAME ETERNAL TWILIGHT						

Transkrip ini tidak berlaku jika ada koreksi dari siapapun / *This transcript is invalid if there are any correction whatsoever*

Keterangan / *Remark*

Bobot / *Weight*: A = 4 ; AB = 3.5 ; B = 3 ; BC = 2.5 ; C = 2 ; D = 1 ; E = 0

Kategori Kelulusan / *Passing Categories*

IPK / *GPA*: 2.76 - 3.00 Memuaskan / *Satisfying*

3.01 - 3.50 Sangat Memuaskan / *Very Satisfying*

3.51 - 4.00 Dengan Pujian / *Cum Laude*

Rektor
Rector

Prof. Dr. Ir. Edi Noersasongko, M.Kom
NPP : 0686.11.1990.001



Semarang, 7 Agustus 2024

Dekan
Dean

Dr. Abdul Syukur
NPP : 0686.11.1992.017



UNIVERSITAS DIAN NUSWANTORO

DIAN NUSWANTORO UNIVERSITY

(Terakreditasi Unggul oleh BAN-PT Republik Indonesia, nomor : 107/SK/BAN-PT/AK-ISK/PT/III/2022)
(Excellent Accreditation by BAN-PT Republic of Indonesia, number : 107/SK/BAN-PT/AK-ISK/PT/III/2022)

memberikan ijazah kepada
awards this certificate to

DIVA JUAN NUR TAQARRUB

Tempat dan Tanggal Lahir <i>Place and Date of Birth</i>	: Semarang, 25 Juni 2002 <i>Semarang, June 25, 2002</i>
Nomor Pokok Mahasiswa <i>Student Registration Number</i>	: A11202012560
Program Pendidikan <i>Education Programs</i>	: Sarjana <i>Undergraduate</i>
Fakultas <i>Faculty</i>	: Ilmu Komputer <i>Computer Science</i>
Program Studi <i>Study Program</i>	: Teknik Informatika <i>Informatics</i>
Tanggal Kelulusan <i>Date of Graduation</i>	: 3 Juli 2024 <i>July 03, 2024</i>
Status Program Studi <i>Status of Study Program</i>	: Terakreditasi Unggul oleh BAN-PT Republik Indonesia, nomor : 5507/SK/BAN-PT/AK-KP/S/VIII/2022 <i>Excellent Accreditation by BAN-PT Republic of Indonesia, number : 5507/SK/BAN-PT/AK-KP/S/VIII/2022</i>
Ijazah ini diserahkan berdasarkan Surat Keputusan Rektor nomor <i>This certificate is awarded in accordance with the Rector Decree number</i>	: 437/KEP/UDN-01/VII/2024
dengan demikian yang bersangkutan berhak memakai gelar akademik <i>the person mentioned above has therefore the right to hold the academic degree of</i>	: Sarjana Komputer (S.Kom.)
	tanggal 22 Juli 2024 <i>dated July 22, 2024</i>

Rektor
Rector

Prof. Dr. Ir. Edi Noersasongko, M.Kom.
NPP : 0686.11.1990.001



Dekan
Dean

Semarang, 7 Agustus 2024



Dr. Abdul Syukur
NPP : 0686.11.1992.017