

Nomor Ijazah Nasional : 550012021000016

*National Diploma Number*

Nomor Seri Ijazah : IFS3/2021/BNS30001

*Diploma Serial Number*

Dengan ini memberikan kepada

*Hereby confers upon*

**Bambang Krismono Triwijoyo**  
**(1940001874)**

dengan Nomor Induk Kependudukan 5271022412670003 lahir di Kediri pada tanggal 24 Desember 1967

*with National Identity Number 5271022412670003 born in Kediri on December 24, 1967*

gelar

*name of qualification*

**Doktor (Dr.)**

*translated as "Doctor of Philosophy"*

pada program studi Ilmu Komputer, program *Doctor of Computer Science*  
*in Computer Science study program, Doctor of Computer Science program*

beserta segala hak dan tanggung jawab yang melekat pada gelar akademik ini,  
lulus pada tanggal 14 Juni 2021.

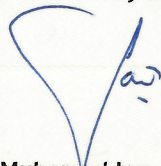
*with all the rights and responsibilities pertaining to the academic degree, graduated on June 14, 2021.*

Diterbitkan di Jakarta, pada tanggal 27 Agustus 2021.

*Awarded in Jakarta, on this twenty-seventh day of August, two thousand and twenty one.*

Direktur,

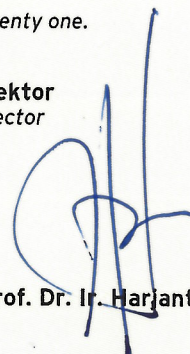
*Director, Graduate Program*



Dr. Sani Muhamad Isa, S.Si., M.Kom.

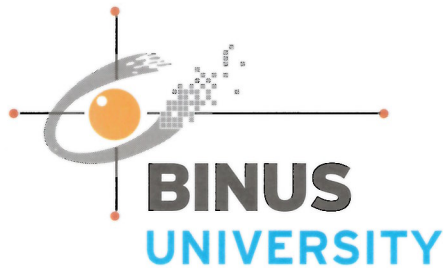
Rektor

*Rector*



Prof. Dr. Ir. Harjanto Prabowo, M.M.





Nama (Name) : BAMBANG KRISMONO TRIWIJOYO  
 Nomor Induk Mahasiswa (Student Identification Number) : 1940001874  
 Tempat & Tanggal Lahir (Place & Date of Birth) : KEDIRI, 24 Desember 1967 (KEDIRI, December 24, 1967)  
 Fakultas / Sekolah (Faculty / School) : Graduate Program  
 Program Studi (Study Program) : Ilmu Komputer (Computer Science)  
 Program (Program) : Doctor of Computer Science  
 Peminatan (Stream) : Teknik Informatika (Computer Science)  
 Jenjang Pendidikan (Level of Education) : Doktor (Strata 3) (Doctorate Degree)  
 Total Kredit (Total Credits) : 45  
 Indeks Prestasi Akademik (GPA) : 3.87



### UNIVERSITAS BINA NUSANTARA

SK Pendirian Perguruan Tinggi No. : 55/D/O/1996, Tanggal 8 Agustus 1996  
 Awarding Institution's License No. : 55/D/O/1996, Date August 8, 1996

Akreditasi Program Studi BAN-PT No. : 1470/SK/BAN-PT/Akred/D/V/2018, Tanggal 30 Mei 2018  
 Accreditation of Study Program by National Accreditation Board for Higher Education No. : 1470/SK/BAN-PT/Akred/D/V/2018, Date May 30, 2018

Transkrip Akademik (Academic Transcript)  
 Nomor Transkrip Akademik (Academic Transcript Number): IFS3/2021/BNS30001  
 Nomor Ijazah Nasional (National Diploma Number): 550012021000016

KODE CODES	NAMA MATA KULIAH COURSES	KREDIT SCU	GRADE GRADE	KODE CODES	NAMA MATA KULIAH COURSES	KREDIT SCU	GRADE GRADE	KODE CODES	NAMA MATA KULIAH COURSES	KREDIT SCU	GRADE GRADE	KODE CODES	NAMA MATA KULIAH COURSES	KREDIT SCU	GRADE GRADE
RSCH9015	Disertasi I (Ujian Kualifikasi) Dissertation I (Qualification Exam)	2	A	RSCH9018	Publikasi Penelitian II Research Publication II	2	A								
RSCH9017	Disertasi II (Ujian Hasil Penelitian) Dissertation II (Research Result Examination)	3	A	RSCH9020	Publikasi Penelitian III Research Publication III	2	A								
RSCH9021	Disertasi III (Ujian Terbuka) Dissertation III (Open Exam)	5	A	Judul : PENDEKATAN DEEP LEARNING UNTUK KLASIFIKASI RETINOPATI HIPERTENSI MENGGUNAKAN CONVOLUTIONAL NEURAL NETWORK DAN RESTRICTED BOLTZMANN MACHINES Title of Thesis : "DEEP LEARNING APPROACH FOR CLASSIFICATION OF HYPERTENSION RETINOPATHY USING CONVOLUTIONAL NEURAL NETWORK AND RESTRICTED BOLTZMANN MACHINES"											
RSCH9019	Disertasi III (Ujian Tertutup) Dissertation III (Closed Exam)	4	A												
PHIL9001	Filsafat Ilmu Philosophy of Science	3	A-	Telah menyelesaikan Program Doktor (Strata 3) dengan gelar Doktor (Dr.) Pada tanggal 14 Juni 2021 dengan predikat High Merit Has completed the Doctorate Degree and has been awarded the name of qualification as Doktor (Dr.), translated as "Doctor of Philosophy" on June 14, 2021 with predicate High Merit											
RSCH9014	Kajian Penelitian (Seminar) Research Colloquium (Seminar)	5	A-												
COMP9022	Komputasi Lunak Lanjut Advanced Softcomputing	3	A												
RSCH9012	Metodologi Penelitian Research Methodology	3	A-												
COMP9019	Pemilahan dan Pengambilan Pengetahuan dan Informasi Knowledge and Information Retrieval	3	A-												
COMP9018	Pengukuran dan Kualitas Perangkat Lunak Software Metric and Quality	3	A												
RSCH9013	Proposal Disertasi Proposal Dissertation	5	A-												
RSCH9016	Publikasi Penelitian I Research Publication I	2	A												

Jakarta, 4 Agustus 2021  
 Jakarta, August 4, 2021

  
 Dr. Sani Muhamad Isa, S.Si., M.Kom.  
 Direktur,  
 Director, Graduate Program

## TRANSKRIP AKADEMIK

### KETERANGAN

#### 1. Umum

Transkrip Akademik adalah dokumen nilai mata kuliah yang telah diperoleh seorang mahasiswa setelah lulus.

#### 2. Sistem Penilaian

Sistem penilaian yang digunakan adalah sistem absolut, dalam bentuk nilai huruf yang dikelompokkan dari nilai akhir sebagai berikut:

Nilai Huruf (G)	Bobot (N)	Nilai Akhir
A	4,00	90 - 100
A-	3,70	85 - 89
B+	3,30	80 - 84
B	3,00	75 - 79

#### 3. Indeks Prestasi Kumulatif (IPK)

Indeks Prestasi Kumulatif (IPK) adalah indeks prestasi mahasiswa secara kumulatif dengan rumus:

$$IPK = \frac{\sum(K \times N)}{\sum K}$$

K = Jumlah sks mata kuliah yang diambil

N = Nilai bobot masing-masing mata kuliah yang diambil

#### 4. Peringkat Kelulusan

3,91 – 4,00	Summa Cum Laude*
3,86 – 3,90	Magna Cum Laude*
3,75 – 3,85	Cum Laude*
> 3,50	Sangat Memuaskan
≤ 3,50	Memuaskan

\*Lulus tepat waktu, minimal grade adalah B dan tidak pernah diulang

## ACADEMIC TRANSCRIPT

### DESCRIPTION

#### 1. General

An academic transcript is a report listing all grades earned by a student to date.

#### 2. Evaluation System

The evaluation system used is an absolute system indicated by a letter grade as follows:

Letter Grade (G)	Weight (N)	Score
A	4.00	90 - 100
A-	3.70	85 - 89
B+	3.30	80 - 84
B	3.00	75 - 79

#### 3. Grade Point Average (GPA)

The Grade Point Average (GPA) is the measurement of student performance calculated by:

$$GPA = \frac{\sum(C \times N)}{\sum C}$$

C = the total number of SCUs earned in the calculation period

N = the weight earned based on the letter grade

#### 4. Academic Distinctions

3.91 – 4.00	Summa Cum Laude*
3.86 – 3.90	Magna Cum Laude*
3.75 – 3.85	Cum Laude*
> 3.50	High Merit
≤ 3.50	Merit

\*Qualifying students for Academic Distinction must graduate on time, earn a minimum of grade B and no retake courses is allowed