# AMIKOM
## PURWOKERTO UNIVERSITY

**PROFILE**

## 🏛 MAIN CAMPUS

☑ **6** INTERNATIONAL AWARDS

☑ **71** NATIONAL AWARDS

☑ TERAKREDITASI **B** BAN-PT

☑ **4.0** INDUSTRY **READY**

☑ Create graduates who are competent to answer the challenges of millennials in the era of the industrial revolution 4.0

## 🏛 CAMPUS 1

MORE INFORMATION
## CONTACT US

📱 (0281) 623321

✉ amikom@amikompurwokerto.ac.id

📍 Jln. Let. Pol. Soemarto no. 126
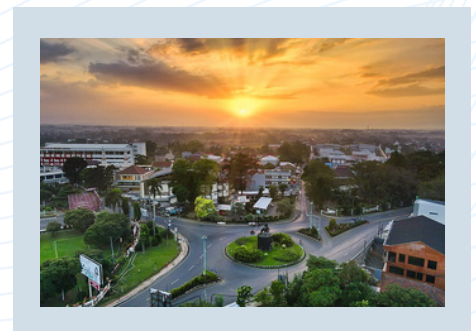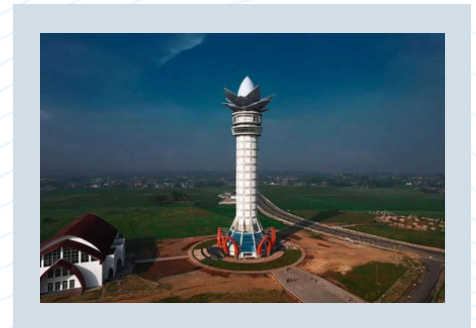Purwanegara, Purwokerto Utara
Banyumas, 53127

## CONTENT

## About Purwokerto

Purwokerto is located in Central Java with its strategic location in the center of economic activity on the island of Java. Positioned in between the development center of West Java area including Jakarta - Bogor - Tangerang - Bekasi and the East Java area including Gresik - Bangkalan - Mojokerto - Surabaya - Sidoarjo - Lamongan (Gerbang Kertasusila) and the planned construction of a toll road in Yogyakarta - Solo - Semarang (Joglosemar). Strengthened by the shipping routes, both nationally and internationally in Tanjung Mas Semarang Port, allows Central Java to expand its marketing network and intercity trade, inter-island and international trade.

Purwokerto is the capital of Banyumas regency, Central Java. The city with the presence of well-known tourist destination of Baturaden. A natural wonder at the foot of the Slamet Mountain , famous for its pleasant cool weather and beautiful verdant panorama. Various nicknames are also given to the city located in the south part of Central Java, from City of Tours, City of Kripik and City of Education.

Rapid development of the city teached its peak at around 2000s, when the city is flooded with students from various mogjor cities in Java to study at various Schools and Universities in this City of Education, one of which is AMIKOM Purwokerto University. The number of students at AMIKOM Purwokerto University then increased significantly. Since then, the economic activity of the people with regard to the needs of the students wnt up Along with growth of the service sectors related to the presence of the students, the tourism sector is also growing. The development of tourism sector in tum led to the development of economic sectors such as hotels and lodging, restaurants, transportation and other support services.

# GREETING

The supervision of Amikom Purwokerto University has its own unique characteristic, in order to generate advanced and productive students able to become high- hope technopreneur in responding to world challenge. Amikom Purwokerto University has always been committed to continuously Increasing research and dedication, produce works that can be used by the wider community to create a balance between the industry needs and the realm of education today,

In its own growth Amikom Purwokerto University encourages cooperate with many intonational companies and insttutions such as MSV Pictures, Eduliga Netherland STUST Taiwan and UTEM Malaysia. This will shape the state of mind of our students, therefore we put out expectation when they graduate they able to compete globally.

We also provide our students with three intonational certificates both for their language skills and abilities in the computer field, so we hope that the graduates of Amikom Purwokerto University can be great qualified resources and grow exponentially around the world.

GREETING

## DR. BERLILANA, M.KOM., M.SI.

# WHAT IS **AMIKOM** ?

The world of informatics is a field that is growing rapidly. That alone presents a new challenge in the current era of technology. It takes the right place and institution to answer the challenge.

AMIKOM Purwokerto University is present and ready to answer that challenge.

*Spirit, Creative, & Success*

## THE VISION

Become the center of higher education providers with technology based entrepreneurship concept

## THE MISSION

1. Organizing quality higher education with technology-based entrepreneurial insight.
2. Develop research that is beneficial to the community for the development of knowledge and improvement of the nation's competitiveness.
3. Develop community service activities.
4. Improving the quality of cooperation for the independence of the implementation of higher education.
5. Develop good university governance and governance.

# THE
# FOUNDATION
# AND ADMINISTRATORS

## THE FOUNDATION OF AMIKOM PURWOKERTO UNIVERSITY

Chairman   : M. Hari Purwidiantoro, ST., MM., M.Kom.
Secretary  : Siwiningtyas Agustin, SE.
Treaurer   : Widiyanti Kurnianingsih, SE.

## THE ADMINISTATORS OF THE INSTITUTION

| | | |
|---|---|---|
| Chancellor | : | Dr. Berlilana, M.Kom., M.Si. |
| Vice Chancellor I | : | Giat Karyono, M.Kom., Ph.D. |
| Vice Chancellor II | : | Dr. CN. Rahman Rosyidi, M.Kom. |
| Director of Financial & Asset Planning | : | Catur Winarsih, S.Kom., MM. |
| Academic Director of Student Affairs & Cooperation | : | Prayoga Pribadi, SE., M.Si. |
| Dean Faculty of Computer Science | : | Dr. Eng. Imam Tahyudin, M.M. |
| Dean Faculty of Business & Social Science | : | Dr. Yusmedi Nurfaizal, S.E., M.M. |
| Head of Study Program ( Informatics S1) | : | Fandi Setyo Utomo, M.Cs., Ph.D. |
| Head of Study Program ( Information Technology S1) | : | Rujianto Eko Saputro, M.Kom. Ph.D. |
| Head of Study Program ( Information System S1) | : | Dr. Taqwa Hariguna, S.T., M.Kom. |
| Head of Study Program ( Communication Sciences S1) | : | Dr. Ade Tuti Turistiati, MIRHRM |
| Head of Study Program ( Digital Business S1) | : | Dr. Arief Ady Kurniawan, M.Si. |
| Head of BAAK | : | Dwi Krisbiantoro, M.Kom. |
| Head of Public Relationship | : | Akto Hariawan, S,Kom., M.Si. |
| Head of Quality Assurance Unit | : | Andi Dwi Riyanto, M.Kom. |
| Head of Human Resources Depatment | : | Agung Prasetyo, M.Kom. |
| Head of Research & Community Service | : | Tri Astuti, S.Kom., M.Eng. |

# COMPUTER SCIENCES FACULTY

The existence of Computer Science Faculty of Amikom Purwokerto University on 2019 create a new nuance in computer high education. The only IT campus with the most complete facilities in west area of Central Java makes Amikom the best choice in exploring computer science.

## VISION

Become the center for higher education in computer science with technology-based entrepreneurship, competitive and contribute to the development of the people of Indonesia and the world

## INFORMATION SYSTEM

### COURSE

| | |
|---|---|
| 1 | Algorithms and Programming: |
| 2 | Database Management System |
| 3 | Amikom Mental Attitude |
| 4 | Introduction Information and Communication Technology |
| 5 | Analysis and Design of Information Systems |
| 6 | Database Programming |
| 7 | Business Design and Management |
| 8 | Object Oriented Programming |
| 9 | Linear Algebra and Matic |
| 10 | Pancasila and Civic Education |
| 11 | Information Technology Ethic, Regulation and Cyber Law |
| 12 | Enterprise Architecture |
| 13 | Enterprise Resource Management |
| 14 | IT Privacy, Security and Risk Management |
| 15 | E-Business Application Development |
| 16 | Grid and Cloud Computing |
| 17 | Computer Architecture and Organization |
| 18 | Anti Corruption Education |
| 19 | Information Technology Infrastructure |
| 20 | Management Science |

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| INFORMATICS ENGINEERING |
|---|
| **COURSE** |

| | |
|---|---|
| 1 | Basic Calculus |
| 2 | Database system |
| 3 | Compute Architecture and Organization |
| 4 | Technopreneuship |
| 5 | Introduction to computer science |
| 6 | Introduction to Multimedia |
| 7 | Introduction to Smart Systems |
| 8 | Digital Logic and Digital Systems |
| 9 | Linear Algebra and Matrix |
| 10 | Algorithms and Data structures (Language C) |
| 11 | Programming (Python) |
| 12 | Operating system |
| 13 | 2D character modeling |
| 14 | Object Oriented Programming |
| 15 | Programming Framework (Net) |
| 16 | 3D visualization |
| 17 | Digital image Processing |
| 18 | Graph and Automated Theory |
| 19 | Cryptography |
| 20 | Multimedia and Visualization Concentration |

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| INFORMATION TECHNOLOGY | |
|---|---|
| **COURSE** | |
| 1 | Management and Organization |
| 2 | Advanced English |
| 3 | Probability and Statistics |
| 4 | Event Based Programming |
| 5 | Computer Organization and Architecture |
| 6 | Science Management |
| 7 | Report and Scientific Work Writing |
| 8 | Operating system |
| 9 | Discrete mathematics |
| 10 | Object-Oriented Software Development |
| 11 | Digital Logic and Engineering |
| 12 | Risk management |
| 13 | Technopreneur |
| 14 | Linear Algebra and Matrix |
| 15 | Computer network |
| 16 | Computer Graphics |
| 17 | Interactive Multimedia |
| 18 | Data Warehouse & Business Intelligence |
| 19 | Network and Computer Security |
| 20 | IoT Programming |

# BUSINESS & SOCIAL SCIENCES FACULTY

The merger of Sekolah Tinggi Manajemen Ilmu Komputer Amikom Purwokerto and Akademi Bahasa Asing Sinema Yogyakarta became University of Amikom Purwokerto create an education program with business and social sciences technology-based entrepreneurship insights.

## VISION

To be the center of undergraduate and postgraduate institution in computer science with technology-based entrepreneurship insights, competitive and and contribute to the development of the people of Indonesia and the world.

| DIGITAL BUSINESS |
| --- |
| COURSE |

| | |
| --- | --- |
| 1 | Business Economics |
| 2 | Business Mathematics |
| 3 | Business English |
| 4 | Business Accounting |
| 5 | Entrepreneurship |
| 6 | Business Environment Management |
| 7 | Management and Database Design |
| 8 | Managerial Economics |
| 9 | Financial Management |
| 10 | Business Statistics |
| 11 | Intonational trade |
| 12 | Human Resource Management |
| 13 | Decision Making Techniques |
| 14 | Digital Business Model |
| 15 | Data Mining Business |
| 16 | Copyright, Business and Information Law |
| 17 | Internet and Online Transaction Security |
| 18 | Marketing Strategy |
| 19 | Data Warehouse & Business Intelligence |
| 20 | Digital Consumer Behavior |
| 21 | Prices and Markets |
| 22 | Digital Marketing Communication |
| 23 | Technopreneur |
| 24 | Business Feasibility Study |
| 25 | Management Information System |

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| COMMUNICATION SCIENCES |
| :--- |
| **COURSE** |

| | |
| :--- | :--- |
| 1 | Introduction to Anthropology |
| 2 | Introduction to Sociology |
| 3 | Introduction to Communication Studies |
| 4 | Introduction to Politics |
| 5 | Psychology of Communication |
| 6 | Introduction to Mass Communication Science |
| 7 | Philosophy of Communication |
| 8 | Pancasila and Civic Education |
| 9 | Fundamentals of Journalism |
| 10 | Introduction to Information Technology |
| 11 | Cross-Cultural Communication |
| 12 | Human Relations |
| 13 | Mass / Public Psychology |
| 14 | Introduction to Advertising |
| 15 | Interview and investigation Techniques |
| 16 | Communication Technology & Society |
| 17 | Basic Techniques for Writing Popular Articles |
| 18 | Basic Techniques for Writing Scientific Articles |
| 19 | Journalistic Photography Techniques |
| 20 | Journalistic Videography Techniques |
| 21 | Organizational Communication |
| 22 | International Communication |
| 23 | Development of Communication Technology |
| 24 | Film and Cinematography |
| 25 | Technopreneur |

# RESEARCH

## MULTIMEDIA AND GAME TECHNOLOGY

- Implementation of Gamification Concepts In E-Learning
- Gamification Concepts In E-Learning For 3D Animation Learning
- A Review of Intrinsic Motivation Elements in Gamified Online Learning
- An Interactive Mobile Augmented Reality for Tourism Objects at Purbalingga District
- Understanding the impact of multimedia education on autism students an empirical study
- A Response Analysis of Mobile Augmented Reality Application for Tourism Objects
- Implementation of a Mobile Augmented Reality Application with Location Based Service for
- Exploring Tourism Objects 3D Animation Short Movie The Legend of Village Penyarang
- Pyramid Design of 3D Holographic Reflection As A Form Of Building Visualization
- Application of Multimedia-Based Learning Tools for Learning Java for the Third Grade of Elementary School
- Development of Learning Media "Human Digestive Organs" Augmented Reality Technology Based
- Application of "V-OwE" Augmented Reality-based: Exploring Banyumas tourism via Layar

## INFORMATION SYSTEM

- Understanding of Public Behavioral Intent to Use e-Government Service: An Extended of Unified Theory of Acceptance Use of Technology and Information System Quality
- Prototype Cloud Computing For E-Government In Indonesia
- The Holistic Information Communication and Technology in Order to Increase Number of Tourist in Indonesia
- Understanding information system quality on public e-government service intention: an empirical study
- An Empirical Study on the Impact of Information System Quality on Software as a Service
- Understanding of Anteccedents to Achieve Customer Trust and Customer Intention to Purchase E-Commerce in Sosial Media, an Empirical Assessment
- Development of Prototype of Media for Tourism Promotion Application Based on Android
- Development of E-Voting Application Based on Analytical Hierarchy Process (AHP)
- Application of Search Engine Optimization (SEO) Techniques To Increase Sales At Footwear Craftsman Group

# RESEARCH

#1 of The Best Campus in Central Java, Research Category and Publication from 249 Colleges

#216 of 3244 Public and Private Universities in Indonesia

## SIGNAL PROCESSING AND ANALYSIS

- Face detection and tracking using live video acquisition in camera closed circuit television and webcam
- Speech Cloud Utilization in Language Learning Media
- Question Answering System : A Review On Question Analysis, Document Processing, and Answer Extraction Technique
- Survey on Nudity Detection: Opportunities and Challenges Based on 'Awrah Concept in Islamic Shari'a
- Determination of Spinal Curvature form Scoliosis X-Ray Images using K-Means and Curve Fitting for Early Detection of Scoliosis Desease
- Face And Feature Detection Algorithm For Khimar Detection
- Application of Tree-J48 Decision Algorithm, K-Nearest Neighbor And Zero-R Correlation-Based Feature Selection To Evaluate Student Academic Performance
- Analysis of image, trust and satisfaction of loyalty of Information Systems Students Using Path Analysis Approach
- Implementation Segmentation of Color Image with Detection of Color to Detect Object

## COMPUTING AND PROCESSING

- Review on Fuzzy Expert System and Data Mining Techniques for the Diagnosis of Coronary Artery Disease
- Question Answering System : A Review On Question Analysis, Document Processing, And Answer Extraction Techniques
- Decision Support System Using Data Mining Method for A Cross Selling Strategy in Retail Stores
- Time Series Prediction Using Radial Basis Function Neural Network
- Multiple Vehicle Tracking using Adaptive Gaussian Mixture Model and Kalman Filter
- Prediction of World Oil Price and Its Influence on Indonesian Oil Price Using Box-Jenkins Methodology For Non Seasonal Arima Modeling (Autoregressive Integrated Moving Average)
- Private Cloud Storage Utilization As the Storage Media of E-Learning Data in Educational Institution
- Analysis of Queue System and Public Service Optimization
- Analysis of Satisfaction And Loyalty Of Informatics Engineering Students Using Structural Equation Modeling Approach Based on Servqua Implementation

# FACILITIES





Get a great education from AMIKOM Purwokerto University and enjoy advance facilities supporting the whole learning activities and students need for good and pleasant facies and infrastructure.

We offer Multimedia Classroom where for the convenience of teaching and learning, all classrooms are designed to use Git conditioning system. The classrooms also have audio system, soft lighting, over-head projector, LCD Viewer and CCTV cameras for security.

We have computer labs with the best facies to support the leaning process of the students. There are 6 labs, Multimedia Laboratory to support the learning in the field of multimedia and graphic design. The laboratory has the capacity for 60 students with high-end PC set.

Second is the Basic Computer Laboratory for the purposes of leaning about the basics of computer uses. This laboratory has a capacity for 60 students as well

Third, Microprocessor Electronics Laboratory equipped with DT51 Minsys, DT 51 Trainer Kt, Oscilloscope Audio Generator, Zloc and Computer interface Trainer, allow students for experiment themselves on developing digital application easily, This lab also has a capacity for 60 students,

Fourth, the Hardware and Software Laboratory equipped with tools and peripherals to assembly and also LAN networking,

The fifth and the last laboratories are Internet and E-Commerce Laboratory and Programming Laboratory also equipped with personal computets and available for 60 students. The set facies iso installed with a variety of latest programming software.

# FACILITIES











Amikom is also supported with various other facies such as libraries whose book availability is kept up to date. As an Higher Education Institution in the field of informatics that is grow rapidly, an extra effort is required to be able to quickly absorb and implement all the progress and development in this field. In adaption for the collection of books, AMIKOM Purwokerto University's library also provides a collection of Student Thesis, Magazines, Newspapers, Scientific Journals Amikom and computer faculties are freely Used by students for the learning process that is connected to the Internet network.

# REAL WORLD LABS

AMPU Studio was established in mid 2014 as a community studio where the talented students gathered there to work, producing multimedia products as their passion in the field.

Then on February 27, 2017, after years of forged, AMPU Studio was inaugurated as an official entity consisting of animators and other multimedia artists.

Located on the 3rd floor of the main building of campus AMIKOM Purwokerto University, AMPU Studio has the leading facilities for the benefit of the production. The team has produced several products such as 3D animation, mobile applications, mobile games, web series and some collaboration product with the government or other third parties.

Currently, AMPU Studio is in its progress of developing some of the newest animated products with an even bigger target and audience.



A major investment in the future of multimedia at Amikom Purwokerto University, AMPU Studio is an innovative space and media for students with the same passion and dreams.

# REAL WORLD LABS

AMIKOM FM which first aired in mid April 2014 was originally Community Radio which became a media for students who have passion in the field of broadcasting.
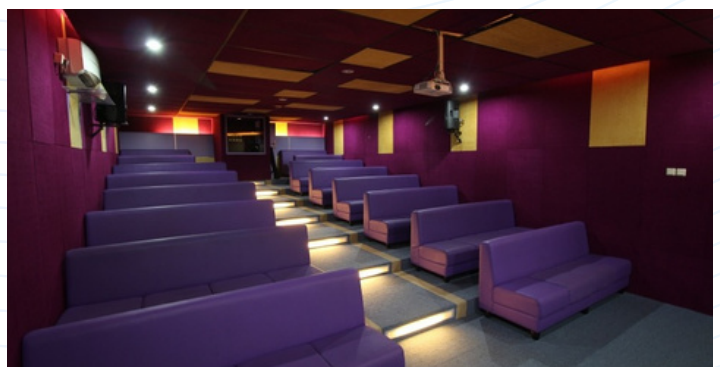
AMIKOM FM, which finally aired officially after its soft launching on June 4, 2016 has two rooms, called On Air Room and Cinema Room, Improvements to support the broadcasting stuff including radio mixer, PC, broadcasting room and interview torn equipped with ai conditioning.

The cinema room is use to held screening of student's work, and festivals such as Amikom Short Film Festival. It can accommodate more than 50 students with comfortable seating, excellent audio system, AC, LCD Projector.

In addition, we are currently developing concepts for campus TV stations officially called AMPU TV, only when the masterplan is ready this TV will be used as a medium for broadcasting campus activities and student's masterpiece.



A major investment in the future of multimedia at Amikom Purwokerto University, AMPU Studio is an innovative space and media for students with the same passion and dreams.

# INTERNATIONAL
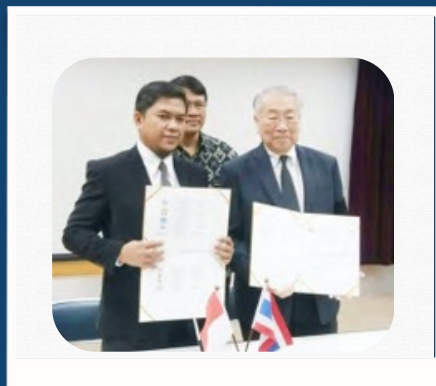## PARTNERSHIP



**Nite Institute
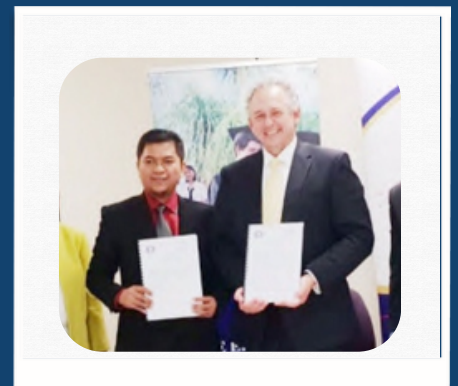India**



**Acarya Institute
India**



**Southern Taiwan University
of Science and Technology**



**Institute of Technology
Tokyo Japan**



**Huachiew Chalermprakiet University
Samutprakan Thailand**



**Union Institute of
Language Australia**

# ACHIEVEMENT



**JUARA 2**
KOMPETISI NASIONAL
KEMDIKBUD 2020

**JUARA 3**
KOMPETISI NASIONAL
GEMASTIK 12 - 2019

**JUARA 1**
KREANOVA 2018

**JUARA 2**
KOMPETISI NASIONAL
ROBOTIK - UNNES 2018

**JUARA HARAPAN 1**
BAROS INTERNATIONAL
ANIMATION FESTIVAL 2015

**FINALIS**
INTEL REALSENSE CHALLENGE
INTERNATIONAL 2015

**JUARA 1**
KOMPETISI NASIONAL
UNITY #3

**SERIAL**
ANIMASI LOKAL

# STUDENT ACTIVITY UNITS

Student organization is student activities that are non-academic and extra-curricular activities that are aimed to channel the interests and talents, and scientific reasoning, and the field of entrepreneurship as well as one of the requirements to get a scholarship, For that AMIKOM Purwokerto University has concerned not only for intellectual potential, but also for other potential to be explored and developed to allow students to do well at the level of regional, national and international.

Student organizations that exist in AMIKOM Purwokerto University include :

- BEM : The Executive Board of Student
- SEMA Student Senate
- HMI : Student Association of Information systems
- HMJAI : Student Association of Informatics Engineering
- MIPL : Informatics Students of Environment Concern
- Sports Soccer, Futsal, Volleyball, Basketball, Badminton, Taekwondo, Karate

- ASSEM 'Amikom Art and Music Devotion
- AAC : Amikom Animation Club
- IMAM : Amikom Muslim Student Bonding
- AFC : Amikom Futsal Club
- Information Technology Research and Muttimedia
- IKNA : AMIKOM Christian Student Bonding
- Pramuka (SCOUT)

# GALLERY



Signing MOU between Amikom Purwokerto University with Andi Offset Yogyakarta



Amikom Purwokerto University participated in the BIAF (Baros International Animation Festival)



Head of Amikom Purwokerto University and Rector of Huachiew Chalermprakiet University Samutprakan, Thailand



Yearly Alumni Meeting Event



Animation Training with Indonesia Ministry of Industry



Head of Amikom Purwokerto University with Dean Information Technology University of Seoul / Jeonju University South Korea
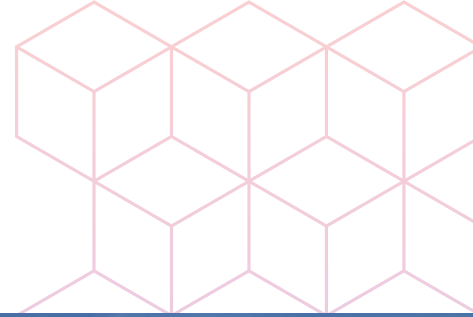


Chairman of Amikom Purwokerto University and Mr. Melvin Oet BCOM MBA MCDST MCT from Microsoft Indonesia



BIAF Committee (Baros International Animation Festival) visited Amikom Purwokerto University's campus

# UNIVERSITAS
## AMIKOM PURWOKERTO

## AMIKOM PURWOKERTO UNIVERSITY

This is a great place to start if you have questions about studying at AMIKOM Purwokerto University, We can offer advice via phone or email or even via social media, or, if you're in Purwokerto or around Central Java, please come in for a face to face conversation

📱 (0281) 623321

✉️ amikom@amikompurwokerto.ac.id

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UNIVERSITAS
AMIKOM
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Kampus
Merdeka
INDONESIA JAYA

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**71** NATIONAL AWARDS

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