



UNIVERSITAS
ISLAM
INDONESIA

Research Project



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Faculty of Business and Economics

- ✓ Accounting
- ✓ Economics
- ✓ Management



Accounting

1 Impact of Institutional Ownership on Environmental Disclosure in Indonesian Companies

Research Partner: **University of Essex**

The research aims to investigate the effect of the classification of origin country of institutional shareholder (domestic, developed and developing country) and its status on stock exchange (listed and unlisted) on environmental disclosure level in Indonesian companies.

Accounting

2 Quality of Local Government Financial Statements

Research Partner: **Universiti Teknologi MARA (UiTM) Shah Alam**

The research aims to examine various potential factors that affect the quality of Indonesian local government financial statements, including the number of local parliamentarians, the number of civil servants, comparative studies, educational background of regional heads, and the level of urbanization.

Accounting

3 Sharia Compliance of Islamic Banks

Research Partner: **International Islamic University Malaysia**

The research aims to examine the Sharia compliance of Islamic banks in Asia and Gulf Cooperation Council (GCC).

Accounting

4 Forensic Audit and Corruption

Research Partner: **Corruption Eradication Commission (KPK)**

The paper is for examining corruption from a behavioral perspective by highlighting multiple issues associated with consumerism.

Accounting

5 Web-Based Applications of Public Service Agency Regional General Hospitals to Support the Universal Health Coverage Program

Research Partner:
Directorate General of Higher Education, Research, and Technology Sleman Regional General Hospital

"The program aims to develop and implement a digital system for calculating the exact cost of each medical service provided by public hospitals in Indonesia. This system, based on the Unit Cost and Service Tariff Determination Model (PUCTA), will be integrated into the hospital's web-based applications.

The ultimate goal is to ensure that everyone can access necessary healthcare by establishing fair and transparent pricing for medical services. By accurately determining the cost of each service, the program supports the implementation of Universal Health Coverage (UHC), which aims to provide quality healthcare to all citizens regardless of their financial status."

Economics

6 Improving Household Economic Resilience Through Literacy and Financial Planning Specifically for Informal Workers

The purpose of this study is to develop a financial literacy and planning model that is specifically designed to be appropriate and adaptive to the characteristics of informal workers in order to increase economic resilience. The specific objectives of this study are: 1) to measure the level of literacy and understanding of financial management concepts, as well as the challenges faced by informal workers in managing various financial risks; 2) to develop a financial literacy and planning model that is appropriate to the needs and characteristics of informal workers; and 3) to measure the impact of financial literacy and planning on increasing economic resilience.

Management

7 Digital Marketing: Live Streaming Shopping & Consumer Buying Behavior Between Indonesia and Malaysia Consumers

Research Partner: **Universiti Sains Islam Malaysia (USIM)**

The purpose of this study is to develop a financial literacy and planning model that is specifically designed to be appropriate and adaptive to the characteristics of informal workers in order to increase economic resilience. The specific objectives of this study are: 1) to measure the level of literacy and understanding of financial management concepts, as well as the challenges faced by informal workers in managing various financial risks; 2) to develop a financial literacy and planning model that is appropriate to the needs and characteristics of informal workers; and 3) to measure the impact of financial literacy and planning on increasing economic resilience.

Faculty of Civil Engineering and Planning

- ✓ Architecture
- ✓ Civil Engineering
- ✓ Environmental Engineering



Architecture

1 **Folded house for Natural Disaster Mitigation**

Simple house prototype for disaster evacuation focused on its practicability, function, and energy supply.

Architecture

2 **Earthquake friendly housing**

Housing safety for the Ring of Fire country Indonesia based on the local sources.

Architecture

3 **Bamboo architecture**

Bamboo's technology for architecture.

Architecture

4 **PVC pipe house**

PVC pipe materials as a structural system for simple houses due to low-income and disaster mitigation modelling.

Architecture

5 **Eco bricks breathing wall**

Building materials from waste sources for optimizing building comfort.

- 6** **Architecture**
Concepts for Rural-Urban (Desa-Kota) Regenerative Development
Developing integrated systems for cities and its hinterland
- 7** **Architecture**
Mosque and socio-culture of architecture
Mosque architecture development in Java and Indonesia
- 8** **Architecture**
Islamic Architecture and cities in Indonesia
Islamic heritage and city's studies in Indonesia
- 9** **Architecture**
Islamic boarding school and traditional architecture in Indonesia
Redeveloping Islamic boarding schools in Indonesia

- 10** **Architecture**
The Role of Artificial Intelligence in The Architectural Design Process
Developing and positioning AI in Architecture Design Process
- 11** **Civil Engineering**
Disaster Risk Management and Smart Infrastructure
Research Partner: **University of Hawaii at Manoa**
This study aims to explore the four components of disaster risk including hazard, vulnerability, exposure, and capacity in all area of Civil Engineering expertise namely structure, transportation, geotechnic, water resource, construction management.
- 12** **Environmental Engineering**
Water & Wastewater Treatment Technology
Focuses on the development of innovative and adaptive technologies for treating water and wastewater, addressing emerging contaminants, and ensuring water security in the face of environmental risks

13

Environmental Engineering Sustainable Environmental Infrastructure Engineering

Concentrates on designing and implementing resilient infrastructure systems that integrate sustainability principles to withstand environmental challenges such as natural disasters and climate change.

14

Environmental Engineering Ecological/Nature Based Engineering

Explores the use of ecological and nature-based solutions, such as constructed wetlands and green infrastructure, to mitigate environmental risks and promote ecosystem resilience.

15

Environmental Engineering Environmental Risk Management

Aims to identify, assess, and mitigate environmental risks through adaptive management strategies, focusing on both natural and anthropogenic hazards to protect communities and ecosystems.

16

Environmental Engineering Environmental Quality Modelling

Utilizes advanced computational tools to model environmental quality and predict impacts of various stressors, helping to develop risk-based solutions for maintaining or restoring environmental health.

17

Environmental Engineering Solid Waste Engineering & Management

Develops sustainable strategies for solid waste management, emphasizing waste minimization, resource recovery, and risk mitigation in waste handling and disposal.

18

Environmental Engineering Air Pollution Control & Climate Change

Focuses on reducing air pollution and mitigating climate change through adaptive technologies, policy frameworks, and strategies for both immediate and long-term risk management.

Faculty of Law

✓ Law



Law

1 **Business and Human Right**

Business and impact to protection of human rights in Indonesia.

Law

2 **Artificial Intelligence and The Law**

Indonesian modelling of legal framework on AI.

Law

3 **Intellectual Property Law in Indonesia**

IPR and AI in Indonesia.

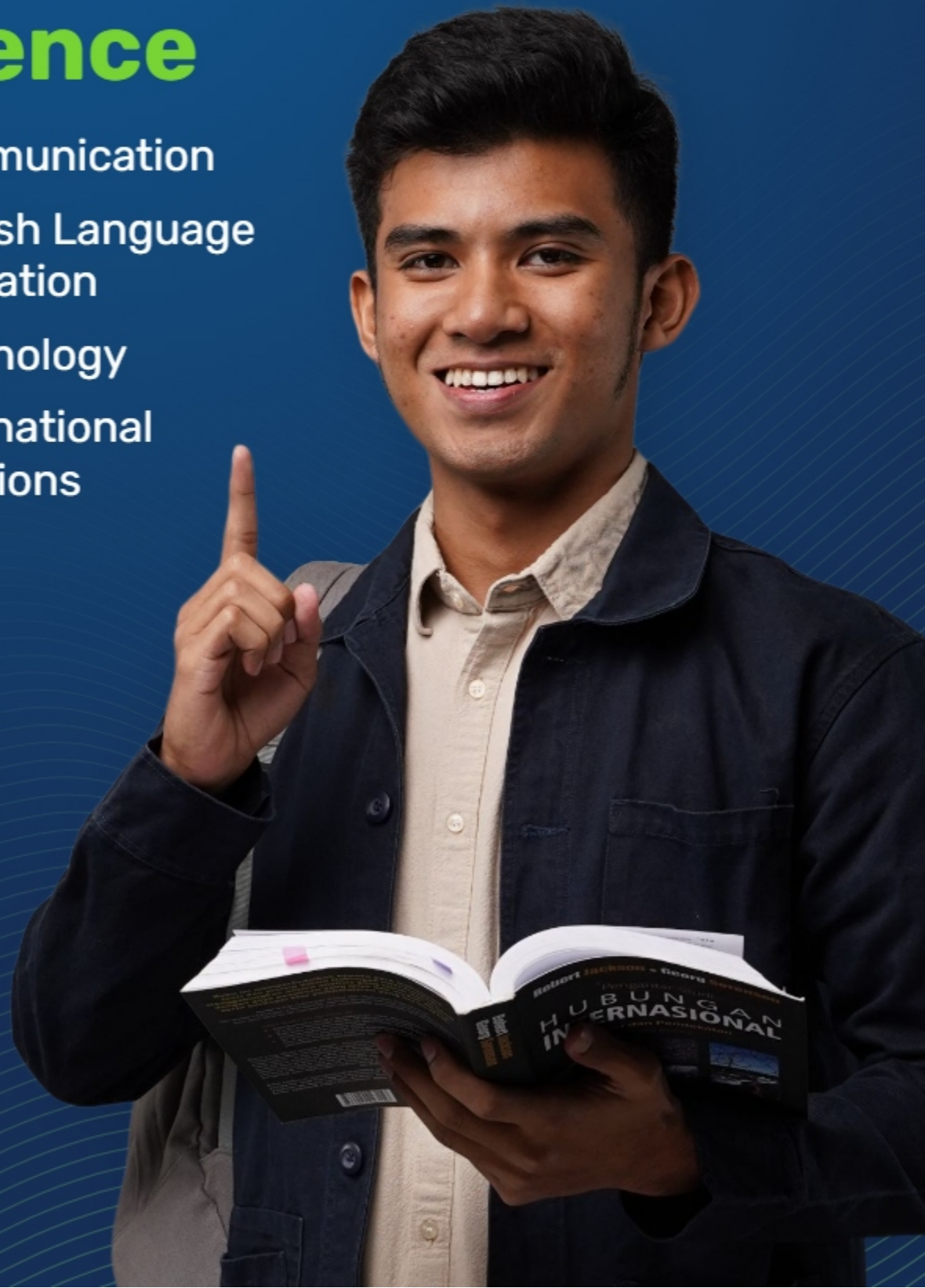
Law

4 **International Law and Humanitarian Law**

Focus on the study of migrants protection, humanitarian issues, and international law.

Faculty of Psychology and Socio-Cultural Science

- ✓ Communication
- ✓ English Language Education
- ✓ Psychology
- ✓ International Relations



Communication

1 Music Copyright Awareness in Video Production

Research Partner:
School of Creative Industry Management & Performing Arts
Universiti Utara Malaysia

This research investigates music copyright awareness among university students in Malaysia and Indonesia, focusing on the challenges posed by the use of copyrighted music in video production. The objectives are to assess the level of awareness, identify influencing factors, compare between the two countries, and propose interventions to enhance awareness and compliance. The methodology involves a mixed-methods approach, including survey administration and qualitative data collection. Findings will be analyzed and interpreted to inform recommendations for promoting responsible content creation practices among students. Through this study, insights into music copyright awareness and its implications for video production will be provided, contributing to the development of effective interventions and policies in both countries.

Communication

2 Communication, Media, and Sustainability

Communication

3 Post Human and Artificial Intelligent (AI) Studies

Communication

4 **Crisis, Risk, Hazard and Disaster Communication and Management Digital Journalism**

Communication

5 **Digital Journalism**

Communication

6 **Creative Media in Digital Era**

Psychology

7 **Happiness**

Happiness is a positive construct of mental health that has come to the attention of many multidisciplinary experts over the past decade. Happy students have many advantages. This research aims to investigate the role of resilience, social support, and personality, on college students' happiness.

Psychology

8 **Stress**

This research aims to investigate the role of spirituality, personality, on college students' stress.

Psychology

9 **Understanding Leadership in University Students**

This study aims to investigate the relationship between leadership style and spirituality, leadership efficacy, work value, social support, and personality in university students.

These variables were selected because of their importance in the formation and development of effective leadership among university students.

The research method used was a quantitative study using scales distributed to university students. The data collected will be analyzed using descriptive statistical techniques and path analysis to determine if there is a relationship between leadership styles and the research variables. The findings of this study are expected to provide better insight into the factors that influence student leadership styles and can be the basis for the development of leadership coaching programs in higher education.

Faculty of Islamic Studies

✓ Islamic Studies



Islamic Studies

- 1 **Consumer Behavior on Halal Products**
Sharia Equity Crowdfunding: Investor and Entrepreneur Perspectives

Islamic Studies

- 2 **Islamic Education and Citizenship in Plural Societies**
Islamic Epistemology: Classical, Contemporary and Comparative Perspectives

Faculty of Mathematics and Natural Sciences

- ✓ Chemistry
- ✓ Pharmacy
- ✓ Statistics



Chemistry

1 Development of Essential Oil and Derivatives

Materials for Energy and Environment

Organic Synthesis for Food and Drugs

Development of Standard Method
Adaptive Chemistry Education

Research Partner:

- University Malaya
- Universiti Teknologi Malaysia
- Hanseo University, Korea

1. Nanoencapsulation of essential oil for cosmetics applications.
2. Nanocomposite of magnetic biochar for advanced oxidation process.
3. Nanocomposites for chemical/biochemical sensor,
4. Functionalized hydroxyapatite as drug delivery, sanitation, anticancer, and medical applications.

Pharmacy

2 Innovation of Nanoemulsion from Herbs

Innovation of nanoemulsion gel of centella asiatica l. Herb standardized extract as diabetic wound healer.

Pharmacy

3 Exploration of Antimicrobial, Antidiabetes, Antihyperlipidemia, Antimalarial, and Anticancer Drugs from Indonesian Biodiversity

Research Partner:

- National Research and Innovation Agency (BRIN), Indonesia
- PHARMADEV, Universite Paul Sabatier, France
- IIUM, Malaysia

Isolation, structure elucidation, and bioactivity assay of natural products from fungal endophytes and Indonesian plants as antimicrobial, antimalarial, antidiabetes, antihyperlipidemia, and anticancer.

Pharmacy

4 Reagen Formulation for Halal Identification

Develop of kit and reagen for pork identification.

Pharmacy

5 Drug Utiliy Review on ICU's & Cardiovascular disease, and Pharmacogenetics

Monitoring errors and problem related with IV drugs in ICU. Modelling data of cardiovascular drugs. Modelling PK/PD of aminoglycosida.

Statistics

6 Automatic Marker Identification for Plant Breeding

Research Partner: East West Seed (EWINDO)

Many models are developed and used in GWAS for plant breeding. Researchers select some markers related to preferences trait manually. The research intends to develop an apps such that marker selection is done automatically by the system through some models.

Statistics

7 TriQuant: Automatic Identification and Quantification of Trichoma for Plant Breeding

Research Partner:

- Wageningen University and Research
- Master Program in Informatics UII

TriQuant is a system to identify and quantify trichoma in a particular leaf, such as tomato, potato, chilli etc. It is designed to accelerate and optimize plant breeding to have a good quality plantation and cultivation.