



**PROF. MADYA DR. SITI
RAIHANA BINTI HAMZAH**

PENSYARAH UNIVERSITI DS14

CONTACT

Phone: 067988784

E-mail:
sraihana@usim.edu.my

Address: Fakulti Sains Dan
Teknologi

SUPERVISION

PhD - Completed: 0, Ongoing: 1

Master - Completed: 5, Ongoing: 1

AREAS OF EXPERTISE

Financial Mathematics

Islamic Finance

Financial Literacy

BIOGRAPHY

A lecturer from Fakulti Sains Dan Teknologi. Holds a Phd in Islamic Finance.

ACADEMIC QUALIFICATION

Phd in Islamic Finance (2015)

Master in Matematik (2009)

Bachelor in Matematik (2008)

Diploma in Computer Science (2005)

RESEARCH

1. DEVELOPING A NEW CREDIT RISK EXPOSURE MODEL TO ILLUSTRATE FINANCIAL SUSTAINABILITY OPTION FOR CORPORATE FINANCING BY USING MONTE CARLO SIMULATION.

2023

ON GOING

MAIN RESEARCHER

2. DEVELOPING A NEW EQUITY-BASED FINANCING MODEL BY USING EQUILIBRIUM FORMULATION TOWARDS ACHIEVING LONG-TERM SUSTAINABLE FINANCE.

2019

COMPLETED

MAIN RESEARCHER

3. EMPIRICAL ANALYSIS OF RISK SHIFTING AND RISK SHARING IN BONDS AND SUKUK : APPLICATION TO CROWDFUNDING

2017

COMPLETED

MAIN RESEARCHER

4. EMPIRICAL EVIDENCE OF RISK SHIFTING IN BONDS AND SUKUK

2016

COMPLETED

MAIN RESEARCHER

PUBLICATION

1. THE IMPACT OF CAPITAL MARKET INSTRUMENTS ON MALAYSIAN ECONOMIC GROWTH

2025 JOURNAL

2. CASH TRAIL ADVENTURE: GAMIFIED LEARNING FOR NUMERACY, FINANCIAL LITERACY, AND ISLAMIC FINANCE IN THE 4IR ERA

2025 PROCEEDING

3. FINANCIAL LITERACY AND FINANCIAL ANXIETY IN MALAYSIA: DETERMINANTS AND BEHAVIOURAL INFLUENCES

2024 JOURNAL

4. THE ANALYSIS OF FINANCIAL LITERACY THAT INFLUENCES FINANCIAL ANXIETY AMONG MALAYSIANS

2024 PROCEEDING

5. MEAN-VARIANCE ANALYSIS OF SHARIAH AND NON-SHARIAH STOCKS MARKET IN MALAYSIA DURING THE PANDEMIC OF COVID-19

2024 PROCEEDING

6. TIME SCALE DEPENDENCIES OF CURRENCY RISK: A CASE STUDY OF HEALTHCARE FIRMS IN MALAYSIA

2024 PROCEEDING

7. STOCK RETURN VOLATILITY DURING SARS AND COVID-19: COMPARISON BETWEEN MALAYSIA AND CHINA'S STOCK MARKETS

2022 PROCEEDING

8. SIMULATION ON CAPITAL FINANCING FOR CORPORATIONS AND ITS CREDIT EXPOSURE

2022 PROCEEDING

9. THE IMPACT OF COVID-19 PANDEMIC ON UNEMPLOYMENT RATES IN MALAYSIA: COMPARATIVE APPROACH WITH GLOBAL FINANCIAL CRISIS 2007/2008.

2021 PROCEEDING

10. FACTOR ANALYSIS ON FINANCIAL RATIOS TO DETERMINE FINANCIAL DISTRESS OF ISLAMIC BANKS IN MALAYSIA

2020 PROCEEDING

11. ANALYSIS OF THE RISK OF FAILURE IN SUKUK PORTFOLIOS

2020 CHAPTER IN BOOK

12. RISK SHIFTING ELIMINATION AND RISK SHARING EXPOSURE IN EQUITY-BASED FINANCING.

2018 JOURNAL

13. EMPIRICAL EVIDENCE OF RISK SHIFTING IN BONDS AND DEBT-BASED SUKUK: THE CASE OF MALAYSIAN CORPORATIONS

2018 JOURNAL

14. EQUITY-BASED FINANCING: CAN THE INSTRUMENT SURVIVE AS A RISK SHARING INSTRUMENT?

2017 PROCEEDING

15. DEBTS AND DEBT-BASED SUKUK RELATED TO RISK SHIFTING BEHAVIOR

2016 JOURNAL

16. DEBTS AND DEBT-BASED SUKUK RELATED TO RISK SHIFTING BEHAVIOR

2016

PROCEEDING

AWARDS/RECOGNITION

1. 3RD PRIZE IN 3RD INTERNATIONAL ARTICLE WRITING COMPETITION 2025

2025

INTERNATIONAL

2. INDUSTRIAL ATTACHMENT

2025

NATIONAL

3. BEST FINAL YEAR PROJECT

2025

OTHERS

4. ANUGERAH PEMFAILAN HARTA INTELEK

2025

UNIVERSITY

5. ANUGERAH PENERBITAN PROSIDING BERINDEKS

2025

UNIVERSITY