

25
TAHAP
1999-2024
UTM SEBUAH UNIVERSITI



Issue #4 | Oct. 2024

RISE

Catalysing Global Research Excellence

magazine

Changing Lives
and **Empowering
Humanities**

eISSN 2805-5683



JPI UTM

#bevisible

Pemangkin Idea

FOREWORD

by Vice-Chancellor



I am truly honored to congratulate the Department of Research and Innovation at Universiti Teknologi MARA (UiTM), led by the outstanding Prof. Ts Dr. Norazah Abd Rahman. This committed team has played a vital role in advancing our university's mission, especially as we aim to achieve the status of a Globally Renowned University (GRU) by 2025.

As we present the fourth edition of "Research and Innovation in the Spotlight" (RISE), we celebrate not only our researchers' achievements but also the transformative impact their work has on our communities. This publication stands as a testament to our commitment to integrating university and national policies with global trends, fostering an environment where innovation thrives.

In alignment with our GRU 2025 strategic framework, research and innovation are not mere aspirations—they are fundamental to our mission. RISE exemplifies how our scholars are addressing pressing societal challenges through their ground-breaking work. The insights and stories shared within these pages illuminate the vital role research plays in advancing knowledge and driving meaningful change.

The importance of a dedicated research magazine like RISE cannot be overstated. It serves as both a celebration of our achievements and a beacon of inspiration for future generations of researchers. By showcasing our successes, we encourage a culture of inquiry and collaboration, essential for nurturing a robust research and innovation mindset.

As we look to the future, let us remain steadfast in our pursuit of excellence. I wish all our researchers continued success in their endeavors, as their contributions are vital to realizing our vision of becoming a Globally Renowned University.

Congratulations once again to Prof Ts Dr Norazah Abd Rahman and the Department of Research and Innovation. Together, let us embrace the opportunities that lie ahead and continue to make a profound impact on society.

Warm regards,

YBhg. Prof. Datuk Dr Shahrin bin Sahib @ Sahibuddin, FASc
Vice Chancellor
Universiti Teknologi MARA (UiTM)

RISE



RISE

Catalysing Global Research Excellence

Published by

Unit of Research Communication & Visibility

Department of Research & Innovation,
Level 5, Bangunan Canseleri Tuanku Syed Sirajuddin,
Universiti Teknologi MARA, 40450 Shah Alam, Selangor



اوسها تقوى موليا



JPI UITM

| #bevisible

| Pemangkin Idea