

## **Preface from the Dean**

ELEKTROPIKA is the transformation of the previously known Technical Journal (TJ) published by the School of Electrical & Electronic Engineering, USM. Starting from its humble beginnings in the year 1991, the school's Technical Journal has attracted research articles and manuscripts from researchers within the school as well as beyond, resulting in the publication of numerous regular issues as well as special editions. ELEKTROPIKA is the result of re-branding of EE's Technical Journal in line with the USM drive in transforming higher education for a sustainable tomorrow.

For the past years, Universiti Sains Malaysia has focused its attention to suit its research endeavors for the under-privileged communities or the bottom billion. As such, the existence of ELEKTROPIKA – the International Journal of Electrical, Electronic Engineering and Technology which caters for but is not limited to issues and situations faced in the tropical regions, is therefore very timely.

As the dean of the School of Electrical & Electronic Engineering, I am happy to herald this first issue and therefore welcome submission of papers from authors all around the world. I would also like to thank the editorial board for their efforts, the reviewers for diligently reviewing the articles and also the authors for their submissions and the time taken to revise their papers for this issue.

Professor Dr. Mohd. Zaid Abdullah  
Dean  
School of Electrical & Electronic Engineering  
Universiti Sains Malaysia  
Engineering Campus