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MESSAGE FROM THE EDITOR-IN-CHIEF

Assalamualaikum and Greetings to all,

I am Maaspaliza Azri, the Editor-in-Chief for the International Journal of Electrical Engineering and Applied Science (IJEEAS).

Firstly, I extend my warm welcome to the readers and authors on the latest publication of the International Journal of Electrical Engineering and Applied Science (IJEEAS). I would like to thank the Editorial Board Members for their ongoing hard work and assistance in making the 11th edition of volume 6 no. 1 a reality. The Editorial Advisory Board's support and the Editorial Board's contributions are both crucial and greatly valued. Not to forget the extraordinary efforts of our expert reviewers, we would most definitely not be able to publish a quality journal without their voluntary participation, ensuring high technical and editorial standards. I also like to thank the contribution from the authors, whose faith in us from the start enabled us to move the journal forward. We sincerely believe and looking forward to continuously receive a high-quality research papers from authors all over the world. I always welcome any feedback you may have on how we can keep making improvements to our journal.

This edition features five interesting articles contributed by the authors from various countries and affiliations. The article from Muteba presents an insightful investigation on the dynamic analysis of a line-start radial synchronous reluctance motor (LSR-SynRM) with auxiliary capacitive winding which is applied in direct drive loads such as conveyor belts and centrifugal pumps. It is evidenced form the conducted experiment that the motor achieves good efficiency and excellent power factor.

On power system and energy matters, there are three articles contributed by the authors. An interesting work from Hairi et al. studies the overcurrent relay tripping time protection using PSCAD software simulation. The work compares the results based on two different standards on a 132/33/11 kV transmission lines network to observe the relay response time. They found that there is a difference in the tripping time sensitivity which need further investigation. The article from Hakim et al. presents a work on the voltage improvement on the feeder using the load breaking method. It is known that a problem of large voltage drop and high power losses are common in the transmission line due to long conductor among others. After considering several methods, the load breaking method is chosen and the carried simulation shows improvement in the voltage regulation and power loss. It is a known fact that transformer is one of the important components in electric power system where monitoring on its health is crucial to maintain system reliability. In relation to this, Duanaputri et al. conducts an experimental analysis on the transformer Kraft paper used for the transformer insulation. The main idea is to determine the right temperature to be used to conduct the accelerated ageing experiment. It is shown that the value of temperature used has significant impact on the ageing process of the insulation.

Last but not least, a work on Internet of Things and system automation has always gave us idea on how every little thing around is made easier day by day. Smart farming utilizing the IoT has becomes a trend nowadays such as the work by Samsudin et al., detailing on the intelligent fertigation system which effectively works to prevent water and fertilizer overuse. With an affordable cost, the target is to have the system installed in each house especially for people who have problems in plant care.

I hope readers will enjoy this edition and thank you for always keep following our publication and supporting IJEEAS.

Dr. Maaspaliza Azri
Editor-in-Chief IJEEAS