
Curriculum Vitae

Name: Samat Bin Iderus

List of Research:

Internal Grant

1. "A Detailed Analysis of Electrical Power Generation using Synchronous and Asynchronous Motor" (Research ID : 1/2017/01)
2. "Enhancement of Energy Meter With GSM Prepaid System and Protective Relay" (Research ID : 3/2018/07)
3. SMART FAULT MONITORING AND NORMALIZING OF A POWER DISTRIBUTION SYSTEM" , Research ID : 1/2021/04

List of Consultancy:

1. UCTS Building Tendency Fit Out Guide for Green Building Index (GBI). 2017.
2. Project on Investment on Development of Rail Engineering Conversion Program with UCTS, Prasarana and Hisniaga Consortium. (Prasarana and Hisniaga). 2017.

List of Publications:

1. Abdul I. A. Rani, Muhammad A. A. Rani, **Samat I.**, Mohd S. Osman, Norjannah Y., Chee F. P. and Rosfayanti R Temperature Effect on Structural and Optical Characteristics of Solution processed Polytriarylamine (PTAA) Thin Films for Optoelectronic Application, ASM Science Journal, (2021).

2. Geno Peter, **Samat Iderus**, Design of Enhanced Energy Meter using GSM Prepaid System and Protective Relays, International Conference on Advanced Materials and Modern Manufacturing (2020).
3. Geno Peter, Anli Sherine and **Samat Bin Iderus**, Enhanced Z-source inverter-based voltage frequency generator to conduct induced over voltage test on power transformers, International Journal of Power Electronics, Vol. X. (2020).
4. Geno Peter, **Samat bin Iderus**, Ramli bin Rashidi, A review about Zig Zag Connection in transformer, Borneo Journal of Science and Technology, Volume (1), Issue (1), Pages: 36-40. (2019).
5. Geno Peter, **Samat bin Iderus** , Comparative Performance Study of a Self-excited Three Phase Induction Generator with a Three Phase Synchronous Generator, Journal of Advanced Research in Dynamical and Control Systems, Volume 10, Issue 4. (2018).

➤ **BOOK & BOOK CHAPTERS**

1. Samat Iderus, Geno Peter, Thomas Moh S.Y, Tonny Ling H.W, Tiong T.C, Kee. K.K, Nor Asrina Ramlee, Jong C.H, Abd Ismail. A.R. Electrical Engineering Laboratory Manual I.
2. Samat Iderus, Geno Peter, Thomas Moh S.Y, Tonny Ling H.W, Tiong T.C, Kee. K.K, Nor Asrina Ramlee, Jong C.H, Abd Ismail. A.R. Electrical Engineering Laboratory Manual II.
3. Samat Iderus, Geno Peter, Thomas Moh S.Y, Tonny Ling H.W, Tiong T.C, Kee. K.K, Nor Asrina Ramlee, Jong C.H, Abd Ismail. A.R. Electrical Engineering Laboratory Manual III.

Conference Proceedings & Exhibitions

1. Yong.C. Y, **S.Iderus**. A Proposed Comprehensive Novel Model (CN-Model): To Drive Continuous Quality Improvement (CQI) on Engineering Programme in Institution of Higher Learning, 9th Regional Conference in Engineering Education (RCEE) & Research in Higher Education (RHEd) (2021).
2. **S.Iderus** & Geno Peter. Temperature Rise Test on Medium Voltage Switchgear Assembly Based on IEC Standard, 8th International Conference on Orange Technology (ICOT). Daegu, South Korea, (2020).
3. Geno Peter & **Samat Iderus**. Load Test Comparative Performance Analysis of an Induction Generator with a Synchronous Generator, ICONTES, 6th International Congress on Technology - Engineering - Kuala Lumpur, (2018).
4. Geno Peter & **Samat Iderus**. Comparative Performance Study of a Self-Excited Three Phase Induction Generator with a Three Phase Synchronous Generator. Technology and Innovation International Conference, TECHON, (2018).
5. **S.Iderus**, M.N.R Baharom & Geno Peter Investigation on Electrical Characteristic of Malaysian Based Palm Oil. Technology and Innovation International Conference, TECHON, (2017).