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*Syafruddin Hasan was born on 1959 in Aceh, Indonesia. He received S.T degree from Universitas Sumatera Utara in 1985, M.T (Master of Engineering) in electrical conversion degree from Bandung Institute of Technology (ITB) in 1993, and Ph.D. graduated in 2014 from Universiti Malaysia Perlis (UniMAP). He has been involved in academic teaching and research since 1986. He is a lecturer at the Faculty of Engineering at USU. His research interests are electrical power quality, electrical machines, high voltage engineering, power electronics, and power electronic drives.*

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## Publications

2021

Jurnal internasional bereputasi

### **Embedding the three pass protocol messages into transmission control protocol header**

SYAFRUDDIN HS , SUHERMAN

2020

Prosiding seminar nasional

### **PENGARUH TEKANAN TERHADAP INCEPTION PARTIAL DISCHARGE PADA BAHAN DIELEKTRIK KOMPOSIT DAN NON-KOMPOSIT**

PARLIN SIAGIAN , SYAFRUDDIN HS , ZURAIDAH THARO

2020

Prosiding seminar internasional

### **Voltage - Current Waveforms of Single-phase Power Transformer Due to DC Bias**

SYAFRUDDIN HS , SUHERMAN

2023

Prosiding seminar internasional

### **The Application of Three-Phase Induction Motor Protection Automated System To Overcome Overload Conditions and Zelio Logic-Based High Temperatures**

FAHMI , AGAHARI AHMAD , SYAFRUDDIN HS

2023

Jurnal nasional terakreditasi

### **PENGARUH HARMONISA PADA TRANSFORMATOR DAYA**

SYAFRUDDIN HS

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## Researches

2020

Penelitian Unggulan Perguruan Tinggi

### **Penghematan Bahan Bakar pada Kendaraan Roda Empat Menggunakan Sistem Siklus Rankine Organik**

SYAFRUDDIN HS

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