



**IMPACT OF PV INSTALLATION TO THE FAULT CURRENT LEVEL AT UiTM
DISTRIBUTION SYSTEM**

MOHD IDHAM BIN UJANG

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**Faculty of Electrical Engineering
Universiti Teknologi MARA (UiTM)**

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ABSTRACT

The need for new and more rigorous standards for power quality, islanding protection of the grid interconnection and safety operation has increasing the number of Photovoltaic (PV) system that being connected to the utility grid. The objectives of this research are to study impact of PV installation to the fault current level at Universiti Teknologi MARA (UiTM) distribution system. In order to analyze this problem, UiTM distribution system has been simulated in Power System Computer Aid Design (PSCAD). In this research the PV system is consider to be current source. The result were analyzed graphically and the current level is increasing depend on the PV rating which being installed at UiTM distribution system. The results from these simulations are presented and discussed.

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