UNIVERSITI TEKNOLOGI MARA

OPTIMAL INVESTMENT PLANNING FOR DISTRIBUTED GENERATION

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ABSTRACT

This study proposes an approach by using particle swarm optimization (PSO) in order to obtain an optimal investment planning from the perspective of a distribution company (DISCO) for distributed generation (DG). The proposed method is tested on a 8-bus system and the results show that the investment of DISCO and the cost of operation are at minimum.

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