



system. The size and type of energy system used in the telecentres were depends on the resources availability at the sites in order to have a cost efficient system. The objectives of this research are to carry out and to determine the optimization of standalone solar PV and hybrid energy system for the rural ICT telecentres. This research involved the electrification management based on energy requirement for rural ICT telecentre. An optimization model has been developed by considering a few parameters such as scale of the telecentre, load demand and usage of energy. Finally, the performance will be analyzed based on the parameters using HOMER software thus proposed the optimum energy design for the rural telecentre. Keywords - Power Optimization, Energy System, Rural ICT telecentre, Hybrid

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Renewable Energy Roadmap And Employability In Energy Sector For Sarawak Corridor Of Renewable Energy (SCORE)

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Economic developments of a nation, without doubt, entail not only the advancement of energy development within the country but also need to ensure energy sustainability. Energy development, in a simple form, is the endeavor to supply adequate primary energy sources and secondary energy forms to fulfill civilization's needs. This, however, involves both the installation of established and reliable technologies in addition to aggressive development in research and development (R & D) towards new energy-related technologies. This paper provides a short and long term strategic plan and roadmap of renewable energy system in Malaysia. This paper also introduces the development and employability in energy industry namely Hydro, Natural Gas, Coal, and Solar PV based for Sarawak Corridor of Renewable Energy (SCORE). The study of employability for SCORE has been done through qualitative and quantitative survey from various industries related to energy in Malaysia. The current data and information obtained shows that the manpower requirement can be sufficed provided that Sarawak Government and the higher learning institutions able to provide the incentive for the locals to be trained in specific fields/major which forecasted to be lower in supply. There are possibilities that SCORE region will experience shortfalls or surpluses of manpower.