

EXPERT PROFILE

DR. HASMAIZAN HASSAN

- Position: Senior Lecturer
- Years of professional experience: 20 years
- Research Centre: Institute of Energy Policy and Research
- **Research Forte:** Energy economics, Energy Security, Energy Policy, Green Energy and Renewable Energy.



EDUCATIONAL BACKGROUND

- University Name | PHD in Business Administration , UNITEN
- University Name | Master of science (Accounting), UiTM
- University Name | Bachelor of Accounting, UKM

PROFESSIONAL EXPERIENCE

Dr. Hasmaizan Hassan is a senior lecturer with 20 years of experiences in vast discipline including research, teaching and supervision as well as in corporate field. She has developed her enthusiasm on issue pertaining to energy trilemma and sustainable development goals. Dr. Hasmaizan Hassan has demonstrated considerable expertise in providing research and consultancy services by using economic analysis such as techno-economic analysis and life cycle costing analysis, questionnaire survey analysis, secondary data analysis and stakeholder analysis related to the area of sustainable energy in addition to designing energy policies and developing business models. Among the important topics that have been studied by her over the past years are life cycle cost analysis of palm oil empty fruit bunch as future energy source and a techno-economic analysis of high-efficiency natural gas based cogeneration. Currently she is conducting a project on the development of business model for electric vehicle charging station. She is also supervising a Master and PhD student in the area of accounting and energy related studies. In addition, he has vast research and consultancy experience from working on research projects funded by the Energy Commission of Malaysia, TNB and the government of Malaysia. Dr. Hasmaizan Hassan also passionate on empowering and educating the young generation on environmental preservation, protection, care and sustainability.

KEY PROJECT HIGHLIGHTS:

- A Techno-economic Study on High Efficiency Cogeneration in Malaysia
- Assessment Of Biomass As Energy Resource For Future Energy Market Based On Life-Cycle Cost Analysis
- Development of Business Model for Electric Vehicle Charging Station Platform
- Investigation On Technical Impacts Of Electric Vehicle Charging To Distribution Network
- Development Of Enhanced Methodology To Determine Value Of Loss Load (Voll) For Domestic, Industrial And Commercial Customers In Peninsular Malaysia
- Development Of Multicriteria Decision Making (Mcdm) Algorithm For Communication In 11kv Distribution Network