

ISKANDAR BIN BAHARI



- KULLIYAH OF SCIENCE
- IIUM Kuantan Campus
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KELAYAKAN AKADEMIK

- Ph.D in Quantum Information (Physics)

TANGGUNGJAWAB MENGAJAR

CALCULUS	2019/2020 2020/2021
LINEAR ALGEBRA	2018/2019
MATHEMATICAL ANALYSIS	2018/2019 2019/2020 2020/2021
PHYSICS PROJECT	2020/2021
QUANTUM MECHANICS	2018/2019 2019/2020
VECTOR ANALYSIS	2018/2019 2019/2020

PROJEK PENYELIDIKAN

In Progress

2019 - Present	Entanglement annihilation and entanglement breaking in qubits-composite spin interaction system
2019 - Present	Autonomous Quantum Thermal Machine for Quantum Steering
2019 - Present	Entropic Bounds in Estimating Quantum Unitary Encoding and Secure Key Distribution
2018 - Present	Multiple qubits and composite spin interacting system with decoherence
2018 - Present	Multiple qubits and composite spin interacting system with decoherence

PENERBITAN

Article

- 2013** [Experimental two way quantum key distribution with weak+vacuum decoy state.](#) Malaysian Journal of Mathematical Sciences , 7(S) (1) pp.49-57
- 2012** [Implementation of two way Quantum Key Distribution protocol with decoy state.](#) Optics Communications , 285 (5) pp.842-845
- 2011** [Decoy states and two way quantum key distribution schemes.](#) Optics Communications , 284 (2) pp.697-702
- 2009** [Quantum key distribution in terms of the Greenberger-Horne-Zeilinger state: multi-key generation .](#) Laser Physics (International Journal) , 20 (5) pp.1-21

Conference or Workshop Item

- 2012** [Erroneous signal detection and secure distance improvement in two way Quantum Key Distribution protocol with decoy state.](#) In: **2012 IEEE 3rd International Conference on Photonics**

**Book
Book Section**