



UNIVERSITI PUTRA MALAYSIA

**DENSITY FUNCTIONAL THEORY AND GW QUASIPARTICLE STUDIES
ON TERNARY MIXED CHALCOGENIDES $\text{Bi}_2\text{Te}_2\text{X}$ (X=Se and S)**

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TERNARY MIXED CHALCOGENIDES $\text{Bi}_2\text{Te}_2\text{X}$ (X=Se and S)**

By

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