



UNIVERSITI PUTRA MALAYSIA

**AUTOTUNING ALGORITHM FOR PARAMETERS ESTIMATION OF
INDUCTION MOTOR BASED ON VECTOR CONTROL FOR ELECTRIC
VEHICLE POWERTRAIN APPLICATION**

SABER MOHAMMED ELNOUR FADUL

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By

SABER MOHAMMED ELNOUR FADUL

**Thesis Submitted to the School of Graduate Studies, Universiti Putra Malaysia,
in Fulfilment of the Requirements for the Degree of Doctor of Philosophy**

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