

**IMPROVEMENT OF DIELECTROPHORETIC DATA
ANALYSIS ALGORITHM IN DETERMINING THE
RELATIVE POLARISABILITY OF DIELECTRIC
PARTICLES**

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**FACULTY OF ENGINEERING
UNIVERSITY OF MALAYA
KUALA LUMPUR**

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**A RESEARCH REPORT SUBMITTED IN PARTIAL
FULFILLMENT OF THE REQUIREMENTS FOR THE
DEGREE OF MASTER OF ENGINEERING
(BIOMEDICAL)**

**FACULTY OF ENGINEERING
UNIVERSITY OF MALAYA
KUALA LUMPUR**

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Name of Degree: **Master of Engineering (Biomedical)**

Title of Project Paper/Research Report/Dissertation/Thesis ("this

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ANALYSIS ALGORITHM DETERMINING THE RELATIVE

POLARISABILITY OF DIELECTRIC PARTICLES

Field of Study: **BIOMEDICAL ENGINEERING**

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My deepest appreciation to:

*My Beloved Husband, Ahmad Fauhat & My Mother, Ramlah Ishak,
For Their Love and Support*

*My Supervisor, Dr. Nahrizul Adib Bin Kadri, for His guidance and
knowledge*

May Allah bless you always..

-Robiyanti-



*"No calamity befalls on the earth or in yourselves but it is inscribed in
the Book of Decrees (Al-Lauh Al-Mahfûz) before We bring it into
existence. Verily, that is easy for Allâh. In order that you may not grieve
at the things that you fail to get, nor rejoice over that which has been
given to you. And Allâh likes not prideful boasters."
(Quran:57:22-23)*