



UNIVERSITI PUTRA MALAYSIA

**TAXONOMIC AND ELECTROPHORETIC STUDIES OF
SELECTED SPECIES OF GANODERMA
(KARST.)**

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**TAXONOMIC AND ELECTROPHORETIC STUDIES OF
SELECTED SPECIES OF *GANODERMA* (KARST.)**

By

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LIST OF ABBREVIATIONS

MEDIA

- LBA - Lima Bean Agar
- MA - Malt Agar
- CMA - Corn Meal Agar
- PDA - Potato Dextrose Agar
- CDA - Corn Dextrose Agar
- WA - Water Agar

SUBSTRATES

- RSD - rubberwood sawdust
- PPF - palm-press fibers

ENZYMES

- EST - Esterase
- ACP - Acid Phosphatase
- ChE - Cholinesterase
- MDH - Malate Dehydrogenase

MEASUREMENTS

- g - gram
- L - litre
- m - millilitre
- mm - millimeter
- nmg - no measurable growth

ANALYSIS

- OTU - Operational Taxonomic Unit
- NTSYS-pc - Numerical Taxonomy Systematics Computer Programme
- UPGMA - Unweighted Paired Group Matching Analysis



Abstract of dissertation submitted to the Senate of Universiti Pertanian Malaysia in fulfilment of the requirements for the degree of Doctor of Philosophy.

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Ganoderma, the causal pathogen of Basal Stem Rot, is found in association with all major plantation crops in Malaysia, but the most severe debilitation caused is when they are found on oil palms. It is not known how many species/pathogenic types there are, whether a differential degree of virulence existed, and whether the fungus is host-specific. *Ganoderma* taxonomy is still controversial and could not effectively aid pathological considerations. This

