

**ISOLATION AND IDENTIFICATION OF FUNGI FROM CANKER SYMPTOM FROM
Peltophorum pterocarpum IN UNIVERSITY MALAYSIA OF SABAH, KOTA
KINABALU; ZONE 5 (RESIDENCE COLLEGE AB, CD AND E)**

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ABSTRACT

The characterization of fungi based on their macroscopic and microscopic features was conducted on eight (8) isolates of fungi sampled from Zone 5 (Residence College AB, CD and E) in Main Campus University Malaysia of Sabah obtained through Picture Matching method. From the characterization, the identified genus of fungi are *Monilochaetes infuscans* (Canker 1), *Trichosporonoides* spp. (Canker 2), *Mucor* sp. (Canker 3), *Dispira cornuta*. (Canker 4), *Ovulariopsis* spp. (Canker 5), *Dactylaria* sp. (Canker 6), *Itersonilia perplexans*. (Canker 7), *Aspergillus* sp. (Canker 8). Based on the mean increasing of growth diameter of colonies isolated fungi, the fastest growth rate fungi is Canker 6 whereby it takes 6 days to fully grow in the Petri dish meanwhile Canker 7 and Canker 8 are the slowest growth rate group whereby it takes 11 days to fully grow in the Petri dish. The other isolated group of fungi are moderate growth rate. Statistical analysis using One Way ANOVA showed that all isolated fungi are not significant where $p > 0.05$. Therefore, all types of isolated fungi's growth rate is pretty similar with each other but different in macroscopic characteristics.