

**Title** Diversity of Moulds in Fresh Longan  
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#### **Abstract**

The objective of this study was to determine the diversity of moulds on harvested fresh longan for dried product preparation. Initially, fresh longan were collected from Chiang Mai in July 2007; the fungi were then isolated from pericarp, fruit, seed and stem-end by tissue transplanting technique and mould identification was performed based on morphological characteristics. A total of 121 isolates were obtained in which 83 isolates (68.59%) were from pericarp; 32 (26.45%) from fruit; and 6 (4.96%) from seed and stem-end, respectively. The mycobiota was dominated by *Lasiodiplodia* (30.60%), *Aspergillus* (14.10%), *Penicillium* (11.00%), *Xylaria* (14.10%), *Fusarium* (5.00%), *Rhizopus* (4.5%), *Pestalotiopsis* (4.5%) and *Trichoderma* (3.50%). Besides, unidentified fungi were also present and accounted for 11.60%.