

Identification of *Bacillus cereus* isolates from cooked rice by biochemical test and 16s rDNA sequences

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Abstract: *Bacillus cereus* isolates are considered to be toxigenic and can lead to food poisoning. Cooked rice is a potentially risky food, particularly while grown in tropical countries. The present study aims to explore the prevalence of *B. cereus* in cooked rice from several restaurant and stalls in the area (Bangi, Kajang and UKM) in Selangor Malaysia. The isolation was conducted using the standard procedure for detection of *B. cereus*. Of seventy (n= 70) cooked rice samples examined, 42.8% were positive for *B. cereus* indicated bright pink colonies when it grown onto mannitol egg yolk polymyxin medium. The thirty five (35) colonies were selected and identified as *B.cereus* by biochemical test and 16s rDNA sequences. The results in the presence study, showed the cooked rice samples were potentially can cause food poisoning to the public consumers.

Keywords: Identification, *Bacillus cereus*, cooked rice, biochemical test, 16s rDNA sequences.

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