

## Identification of *Pithomyces chartarum* causing leaf spot of cabbage in Malaysia

### ABSTRACT

A leaf spot disease was observed on cabbage (*Brassica oleracea* L. var. *capitata*) affecting 80% of plants growing in greenhouses and fields in Serdang, Selangor, Malaysia. Symptomatic leaf samples were collected from infected plants and isolations made on agar medium. Single-spore isolates from resulting colonies were identified based on cultural and morphological characteristics as *Pithomyces chartarum*. Morphological identification was confirmed by sequence analysis of the internal transcribed spacer (ITS) regions 1 and 2, including 5.8S rDNA (ITS1-5.8S-ITS2). Pathogenicity tests indicated that *P. chartarum* causes leaf spot on cabbage. This is the first report of leaf spot caused by *P. chartarum* on cabbage in Malaysia.

**Keyword:** *Brassica oleracea* L. var. *capitata*; ITS-5.8S rDNA; *Leptosphaerulina chartarum*; Morphological characteristics