

NGHIÊN CỨU TÁC NHÂN GÂY BỆNH HÉO VÀNG TRÊN CÂY BA KÍCH

(*Morinda officinalis* How.)

Study on the Pathogen Causing Yellow Wilt on *Morinda officinalis* How

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Abstract

Morinda officinalis samples were collected in Quang Ninh and Thanh Hoa provinces, Viet Nam. The plant pathogens were isolated, purified and identified down to its species, based on taxonomic keys. The pathogen *Fusarium oxysporum* was consistently isolated from the disease samples on *Morinda officinalis*. The identification was confirmed by pathogenicity test following Koch's postulate. The optimum conditions for the development of *F.oxysporum* causing yellow wilt disease were 25°C and pH 7-8. This is the first report *F.oxysporum* in *Morinda officinalis* in Viet Nam.

Keywords: *Morinda officinalis* , pathogenicity test, *Fusarium oxysporum*, yellow wilt disease.