

Identifikasi protein alergen serbuk sari tanaman akasia (*Acacia auriculiformis* dan *Acacia mangium*) dan kelapa sawit (*Elaeis guineensis* Jacq.) = Identification of allergenic pollen protein from acacia (*Acacia auriculiformis* and *Acacia mangium*) and oil palm (*Elaeis guineensis* Jacq.)

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Abstrak

Telah dilakukan penelitian mengenai identifikasi protein alergen serbuk sari akasia (*Acacia auriculiformis* dan *Acacia mangium*) dan kelapa sawit (*Elaeis guineensis* Jacq.). Tujuan penelitian adalah mengidentifikasi protein alergen serbuk sari tanaman *Acacia auriculiformis*, *Acacia mangium*, dan kelapa sawit. Ekstrak protein sampel serbuk sari menunjukkan hasil negatif pada uji dot blotting karena konsentrasi protein sampel rendah. Protein serbuk sari kelapa sawit dengan berat molekul (BM) 31 kDa diduga sebagai alergen utama karena bereaksi positif terhadap > 80% serum individu alergi maupun individu normal. Individu normal bereaksi positif terhadap protein tersebut diduga karena faktor atopi.

.....The research was about identification of allergenic pollen protein from acacia (*Acacia auriculiformis* and *Acacia mangium*) and oil palm (*Elaeis guineensis* Jacq.). The aim of the research was to identify allergenic pollen protein from *Acacia auriculiformis*, *Acacia mangium*, and oil palm. Protein extract of pollen sample which was extracted by phenol extract method showed negative result in dot blotting assay because protein concentration of sample was low. Oil palm pollen protein with 31 kDa molecular weight was suspected as major allergen because it showed positive reaction to >80% of serum either allergy or normal individual. Normal individual which showed positive reaction to the protein was suspected cause of atopy.