

**Kemampuan antagonisme khamir Filum Ascomycota dari tanaman saeh (Broussonetia papyrifera Vent.) asal Bandung terhadap Aspergillus spp. UICC = The antagonism activity of Ascomycota yeasts from saeh plant (Broussonetia papyrifera Vent.) from Bandung Against Aspergillus spp. UICC**

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Abstrak

Penelitian dilakukan untuk mengetahui kemampuan antagonisme khamir Filum Ascomycota dari tanaman saeh (*Broussonetia papyrifera* Vent.) asal Bandung terhadap *Aspergillus* spp. UICC dari tanaman tomat terinfeksi menggunakan metode co-culture. Seluruh khamir yang diuji (*Candida quercitrusa* UICC Y-470, *Debaryomyces nepalensis* UICC Y-456, *Pichia burtonii* UICC Y-468, *Saccharomycetales* sp. UICC Y-462, *Saccharomycetales* sp. UICC Y-471, dan *Wickerhamomyces anomalus* UICC Y-455) bersifat antagonis terhadap *Aspergillus* spp. UICC. *Saccharomycetales* sp. UICC Y-462 merupakan khamir antagonis paling potensial karena memiliki kemampuan menghambat pertumbuhan kapang dan mereduksi lebar hifa kapang *A. terreus* UICC sebesar 56,90% hingga inkubasi hari ke-3.

.....This research investigated the antagonism activity of Phylum Ascomycota yeasts of saeh plant (*Broussonetia papyrifera* Vent.) from Bandung against *Aspergillus* spp. UICC from infected tomato plant using co-culture method. All the yeasts (*Candida quercitrusa* UICC Y-470, *Debaryomayces nepalensis* UICC Y-456, *Pichia burtonii* UICC Y-468, *Saccharomycetales* sp. UICC Y-462, *Saccharomycetales* sp. UICC Y-471, and *Wickerhamomyces anomalus* UICC Y-455) are antagonists. *Saccharomycetales* sp. UICC Y-468 is the most potential antagonistic yeast by inhibiting the growth of hyphae and reducing hyphal length of *Aspergillus terreus* UICC up to 56.90% at day-3.