

Pemanfaatan Ekstrak Daun Nimba (*Azadirachta indica* A. Juss) untuk Pengendalian Penyakit Layu Fusarium pada Tanaman Tomat (*Lycopersicum esculentum* Mill.)

<b>Title</b>	Pemanfaatan Ekstrak Daun Nimba ( <i>Azadirachta indica</i> A. Juss) untuk Pengendalian Penyakit Layu Fusarium pada Tanaman Tomat ( <i>Lycopersicum esculentum</i> Mill.)
<b>Author Order</b>	2 of 2
<b>Accreditation</b>	
<b>Abstract</b>	The aim of this study was to find out the effect of neem leaf extract ( <i>Azadirachta indica</i> A. Juss.) on the growth medium of tomato plant toward fusarial wilt and to determine effective concentration and time of application of the extract to control the wilt. Experiments arranged in a Completely Randomized Design (CRD) was employed for in vitro antimicrobial assay and in a Randomized Complete Block Design (RCBD) for in planta antimicrobial assay, both of which were to find out the inhibitory effect of the extract on colony growth of <i>Fusarium oxysporum</i> (Schlecht). f.sp. <i>lycopersici</i> (Sacc.) Snyd. et Hans. (Fol). The results indicated that neem leaf extract concentration of 5% applied at 7 DAP (Day After Planting) was the most effective treatment in inhibiting disease intensity of fusarial wilt on tomato plant showing inhibitory effect of up to 89.32%.
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