

CHARACTERIZATION OF EGGPLANT ENDOPHYTE BACTERIA AND RHIZOBACTERIA AS WELL AS THEIR ANTAGONISTIC ABILITY AGAINST *Ralstonia solanacearum*

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Abstract	<p>Characterization of eggplant endophyte bacteria and rhizobacteria as well as their antagonistic ability against <i>Ralstoniasolanacearum</i>. Bacterial wilt caused by <i>Ralsonia solanacearum</i> is one of important diseases causing severe loses in eggplantproduction. Various strategies were used to manage bacterial wilt, including planting resistant varieties, soil amandement, andsoil solarization. However, management of <i>R. solanacearum</i> in eggplant by using endophytic bacteria and rhizobacteria werenot been done that much. The objective of this study was to: (1) characterization of endophytic and rhizobacteria; (2)determines the inhibition ability of endophytic and rhizobacteria isolates against <i>R. solanacearum</i> pathogen on eggplant. Thelaboratory experiment was arranged in completely randomized design with 5 treatments and 5 replications. The double layermethod using yeast peptone glucose agar (YPGA) medium was used in vitro test. Based on the morphological characteristicsthese isolates were suspected as a member of genus <i>Bacillus</i>. Among the isolates used in this study, TK isolate showed thebest capability to inhibit growth of <i>R. solanacearum</i>.</p>
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Author	Ir Dr NUR PRIHATININGSIH