

Pengaruh inokulasi Strain Nostoc cpg24 dan gia13a di hari ke 1 dan ke 10 pembibitan padi (Oryza Sativa L} Varietas Ciherang pada beberapa media tanam = The effect of inoculation of nostoc strains cpg24 and gia13a at the 1st and 10th day on the germination of Ciherang rice oryza sativa l in several media

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Abstrak

Penelitian pengaruh pemberian variasi strain Nostoc CPG24 dan GIA13a yang diinokulasikan pada hari ke-1 dan hari ke-10 terhadap pembibitan padi (Oryza sativa L.) varietas Ciherang pada beberapa media tanam telah dilakukan sejak bulan Maret sampai Mei 2015. Berat inokulum total yang diberikan sebesar 0,2g; 0,4g; dan 0,6g pada media tanah kebun steril (TKS), tanah kebun non steril (TKNS), pupuk organik steril (POS), dan pupuk organik non steril (PONS). Pengamatan dilakukan terhadap panjang akar, tinggi tanaman, berat basah, dan berat kering tanaman padi pada umur 14 hari. Data dianalisis menggunakan uji ANAVA, kecuali data berat basah dan berat kering. Berdasarkan uji ANAVA, strain CPG24 dan GIA13a tidak berpengaruh terhadap panjang akar tetapi berpengaruh terhadap tinggi tanaman padi ( $P < 0,05$ ). Variasi inokulum tidak berpengaruh terhadap panjang akar dan tinggi tanaman padi ( $P < 0,05$ ). Media tanam berpengaruh terhadap panjang akar dan tinggi tanaman padi ( $P < 0,05$ ).

.....The effect of Inoculation of Nostoc Strains CPG24 and GIA13a at the 1st and 10th day on the Germination of Ciherang Rice (Oryza sativa L.) in several media had been examined from March to May 2015. The given total inoculum are 0,2g; 0,4g; and 0,6g to sterilized soil (TKS), nonsterilized soil (TKNS), sterilized organic soil (POS), and nonsterilized organic soil (PONS). Observation is focused to root length, height, fresh and dry weight of 14-day-old plant. Data was analyzed by using ANAVA, with the exception of fresh and dry weight. Based on the ANAVA, CPG24 and GIA13a strain has no effect on root length but has an effect on plant height ( $P < 0,05$ ). Inoculum variation has no effect on root length and height of rice plant ( $P < 0,05$ ). The Media affects the root length and height of rice plant ( $P < 0,05$ ).