

Keragaman Serangga Penyerbuk dan Hubungannya dengan Warna Bunga pada Tanaman Pertanian di Lereng Utara Gunung Slamet, Jawa Tengah (Diversity of insect pollinators and its relationship with flowers colors on Agricultural Crops in the Northern slopes of ...)

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Author Order	1 of 2
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Abstract	<p>Research on insect pollinators diversity and abundance on eight cash crops was conducted at Serang, Sub District Karangreja, Purbalingga, Central Java, during June to October 2012. The aims of this research were to observe the diversity and abundance of insect pollinators at eight food crops and their relationship with flowers colours. Sampling of insect pollinators species was done using scan sampling and direct observation of insect stay at the flowers. Insect diversity was calculated using Shannon's index, Simpsons index and, and Shannon Evenness. Species turnover was calculated using Jaccard index. The calculations were performed using BD Pro (McAleece, et al., 1997). Seventeen species of insect pollinators were identified. Wings bean was visited by 12 species of insect pollinators with highest diversity indices (H=2.14, D=0.86, and E=0.86,) followed by cucumber (11 species) with diversity indices (H=1.89, D=0.75, and E= 0.75,) and the lowest was strawberry with only visited by 7 species with diversity indices (H=1.25, D=0.64, and E= 0.64,). The most abundant insect pollinator species was local honeybees (A. Cerana), followed by stingless bees (Trigona sp) and the lowest was Ropalidia romandi with consist only 2 individual. There is no correlation between flowers colors with either insect pollinators diversity or abundance.</p>
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