

## The Effect of Stable Manure and Seedling Number on Growth and Yield of Black Rice (*Oryza sativa* L. Indica)

<b>Title</b>	The Effect of Stable Manure and Seedling Number on Growth and Yield of Black Rice ( <i>Oryza sativa</i> L. Indica)
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<b>Accreditation</b>	2
<b>Abstract</b>	<p>Black rice is one of functional food sources. The obstacle of its cultivation is availability of qualified seeds and organic fertilizers input. This research aimed to determine the effect of stable manure on growth and yield of black rice, to observe the effect of seedling number per planting hole and to obtain the best combination of stable manure and seedling number on the growth and yield of black rice. The research was conducted in rice field on Karanglewas Kidul village, Karanglewas district, Banyumas, Central Java during April until September 2016. This research used a split plot design, with 3 repetition. The main plot was three types of stable manure (chicken, goat and cow), while the subplot was seedling number (1, 2 and 3). Data was analyzed using ANOVA and DMRT at p 0.05 level. The results showed that chicken manure gave the highest productivity rice of 5.15 tons ha<sup>-1</sup>. The 1 seedling each hole gave the highest result on panicle length and grain number per panicle. The better combination treatment was chicken manure and three seedling per planting hole which gave the highest grain yield of 5.38 tons ha<sup>-1</sup>.</p>
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