# CORRELATION AND PATH ANALYSIS MORPHOLOGICAL CHARACTERISTIC AND YIELD SOME BLACK RICE LINES (*Oryza Sativa* L Indica) GENERATION F6

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## ABSTRACT

Black rice rich an anthocyanin and contain a fiber, vitamin E, iron 3 times han white rice and low sugar level. One of way to increase rice produktivity are with hybrid varieties to assemble hybrid varieties need superior elder. The aim of this study is to choose character yield component based on correlation and path analysis The research had been conducted at the IP2TP field Banyakan, Piyungan, Bantul, daerah istimewa yogyakarta. The experimental design used was a completely randomized design consist of one treatment with three replications. The treatment consist of 9 lines black rice there were G1, G2, G3, G4, G5, G6, G7, situbagendit and cempoireng. The data obtained were processed by correlation and path analysis. The results of the research showed that highest correlation coefficient is flowering age with harvest age (r=0,980) and number of grain fill with number of productive tiller (r= 0,926). Based on the results of path analysis, there was direct effect on plant height (0,485), number of grain fill (1,48), harvest age (0,154) and leaf width (0,262).

***Keyword :*** *black rice, correlation analysis, path analysis*