PATH COEFFICIENT ANALYSIS G39ÃfÂfÃ,—CIHERANG AND MENTIK WANGIÃfÂfÃ,—G39 RICE IN F4 GENERATION

Title	PATH COEFFICIENT ANALYSIS G39 $\tilde{A}f\hat{A}f\tilde{A}$, \hat{A} —CIHERANG AND MENTIK WANGI $\tilde{A}f\tilde{A}f\tilde{A}$, \hat{A} —G39 RICE IN F4 GENERATION
Author Order	of
Accreditation	
Abstract	Current research was conducted with the objectives to identify the utmost traits that may be beneficial for the higher productivity of the grains on high protein content genotypes lines by path coefficient. Path coefficient can define coefficient correlation directly and indirectly to gain information about nature relationship between yield component and protein content to grain yield. Research material consisted of 61 selected plants from G39ÃfÂfÃ,—Ciherang and 66 selected plants from Mentik WangiÃfÂfÃ,—G39 at F4 generation. Plants were planted in Banyumas in May 2011. Number of panicles per plant, panicle length, 1000 g of grain weight, percentage of filled grain per panicle, protein content, and grain yield were correlated by using Pearson correlation and were followed by path coefficient. Number of panicles per plant, panicle length, 1000 g of grain weight, percentage filled grain per panicle, and protein content were used as dependent variable, while grain yield was used as independent variable. The result showed that protein content in both populations was not correlated with all yield components. The numbers of panicles, followed by panicle length, had highest positive direct effect to yield. The number of panicle was a positive mediator variable to yield from another variable. Keywords: correlation, direct effect, indirect effect, mediator variable, path analysis
Publisher Name	Faculty of Agriculture University of Brawijaya and Indonesian Agronomic Assossiation
Publish Date	2014-05-20
Publish Year	2014
Doi	
Citation	
Source	AGRIVITA, Journal of Agricultural Science
Source Issue	Vol 36, No 1 (2014)
Source Page	9-13
Url	http://agrivita.ub.ac.id/index.php/agrivita/article/view/329
Author	Dr AGUS RIYANTO, S.P, M.Si