

CORRELATION AND PATH CO-EFFICIENT ANALYSIS OF YIELD CONTRIBUTING TRAITS IN ADVANCED LINES OF *Brassica rapa* L.

M. A. Hussain¹, M. S. Hossain², M. S. R. Bhuiyan³, M. G. J. Helal⁴ and S. M. Mohsin⁵

ABSTRACT

Twenty four genotypes including four check varieties of the species *Brassica rapa* L. were collected to estimating the magnitude of correlation and path co-efficient of different characters on seed yield per plant. The significant positive correlations with seed yield per plant were found in thousand seed weight, no. of siliqua per plant, no. of primary branches per plant. Path co-efficient analysis revealed that plant height, no. of primary branches per plant, no. of siliqua per plant, siliqua length, thousand seed weight showed positive direct effect with yield per plant. Days to 50% flowering, days to 80% maturity, no. of secondary branches per plant, no. of seed per siliqua showed negative direct effect on yield per plant. Beside these days to 50% flowering, days to 80% maturity, no. of secondary branches per plant, no. of seed per siliqua showed negative direct effect on yield per plant.

Key words: correlation, path co-efficient, *brassica rapa* L