

## **GENETIC STUDIES OF BRONZING DISEASE IN RICE**

**Manjula Abeywickrema and H. G. Nandadasa**

*(Department of Biological Sciences, Sri Jayardenapura University)*

The rice varieties H-9 and Bg11-11 are susceptible to Bronzing disease and the varieties Mashuri Kuantink Putih, IR2061-464-2-4-4-6 and H-4 are resistant to the disease. Six reciprocal genetic crosses were made between susceptible and resistant varieties. The parental plants and their  $F_1$ ,  $F_2$  and  $F_3$  generations were screened for Bronzing resistance using liquid culture conditions. Hybrid plants showed increased resistance due to heterosis. Some models for pattern of inheritance of Bronzing resistance are discussed.

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