

ABSTRAK

Hanif Taruna Pratama. 2024. Variabilitas, Heritabilitas, Serta Penampilan Karakter Agronomi Padi Lokal Asal Paseh Kabupaten Bandung. Dibawah Bimbingan Jajang Supriatna dan Liberty Chaidir.

Pengembangan padi lokal untuk menghasilkan varietas unggul dapat dilakukan dengan program pemuliaan tanaman yaitu melalui proses seleksi. Keberhasilan seleksi bergantung kepada besaran nilai variabilitas dan heritabilitas serta penampilan karakter agronomi. Penelitian ini bertujuan untuk mengetahui nilai variabilitas dan heritabilitas serta karakter agronomi padi lokal asal Paseh Kabupaten Bandung. Waktu penelitian dilaksanakan pada bulan Februari sampai Mei 2024. Rancangan percobaan yang digunakan dalam penelitian ini yaitu rancangan acak kelompok dengan 9 aksesi padi lokal asal Paseh Kabupaten Bandung serta 2 padi varietas unggul pembanding Inpari 42 dan IR 64. Hasil penelitian menunjukkan bahwa nilai variabilitas genotipe dan fenotipe yang luas pada karakter tinggi tanaman, umur berbunga, umur panen, jumlah malai per rumpun, bobot gabah per rumpun. Nilai heritabilitas yang tinggi pada karakter tinggi tanaman, umur berbunga, umur panen, jumlah malai per rumpun, bobot gabah per rumpun. Potensi hasil yang tinggi dari varietas pembanding didapatkan oleh karakter tinggi tanaman, umur berbunga, umur panen dan jumlah gabah per malai.

Kata Kunci : : Heritabilitas, padi lokal, pemuliaan, variabilitas

ABSTRACT

Hanif Taruna Pratama. 2024. Variability, Heritability, and Appearance of Agronomic Characters of Local Rice from Paseh, Bandung Regency. Under the guidance of Jajang Supriatna and Liberty Chaidir.

The development of local rice to produce superior varieties can be carried out through a plant breeding program, namely through a selection process. The success of selection depends on the value of variability and heritability as well as the appearance of agronomic characters. This research aims to determine the variability and heritability values as well as the agronomic characteristics of local rice from Paseh, Bandung Regency. The research was carried out from February to May 2024. The experimental design used in this research was a randomized block design with 9 local rice accessions from Paseh, Bandung Regency and 2 superior rice varieties for comparison, Inpari 42 and IR 64. The results of the study showed that the value of genotype variability and broad phenotype in the characteristics of plant height, flowering age, harvest age, number of panicles per hill, grain weight per hill. High heritability values for the characteristics of plant height, flowering age, harvest age, number of panicles per hill, grain weight per hill. The potential for high yields from the comparison varieties is obtained by the characteristics of plant height, flowering time, harvest time and number of grains per panicle.

Keywords: : Heritability, local rice, breeding, variability