

# **EVALUASI DAYA HASIL TANAMAN PADI PADA BEBERAPA GALUR HARAPAN PADI SAWAH**

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## **ABSTRAK**

Dalam rangka memenuhi kebutuhan pangan secara nasional, perlu diupayakan adanya perakitan varietas unggul baru yang berumur genjah berupa galur padi fungsional yang berpotensi hasil tinggi. Penelitian ini bertujuan untuk mendapatkan galur harapan padi sawah berpotensi hasil tinggi. Penelitian ini dilaksanakan di Pleret, Desa Pleret, Kecamatan Pleret, Kabupaten Bantul, Provinsi Daerah Istimewa Yogyakarta dari bulan Januari sampai bulan Mei 2018. Penelitian berupa percobaan lapangan satu faktor dengan Rancangan Acak Kelompok Lengkap (RAKL) 4 ulangan. Tanaman padi yang diuji berupa 10 galur dan 2 varietas sebagai pembanding, yang meliputi galur B12531D-RS\*1-1-1-PN-5-1-3-3, B13727C-MR-2-5-5-1, B13784C-MR-2-5-6-5-KN-3, B13803C-MR-1-8-3-1, B13824E-MR-18-3-3, B13823E-MR-17-2-3-1-3-SKI-3, B13813D-RS\*1-1-MR-8-1, B14667E-MR-95, B13724C-MR-3-4-3-7, B14484E-MR-10-KN-3, sebagai varietas pembanding adalah Varietas Ciherang dan Varietas Inpari 24. Hasil pengamatan dianalisis keragamannya pada jenjang nyata 5% dan untuk mengetahui beda nyata antar galur harapan padi dilakukan Uji LSI (*Least Significant Increase*) pada taraf uji 5%. Hasil penelitian menunjukkan galur B13823E-MR-17-2-3-1-3-SKI-3 dan galur B14484E-MR-10-KN-3 layak untuk dilakukan uji lanjut dengan nilai potensi hasil yang dimilikinya lebih besar dibandingkan kedua varietas pembanding Ciherang dan Inpari 24 .

Kata kunci: Uji daya hasil, Galur harapan, Padi sawah.

# EVALUATION YIELD OF RICE PLANT ON SEVERAL LOWLAND RICE ADVANCED LINES

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## ABSTRACT

In order to fulfill the need of food nationally, development of superior rice varieties which matured early in the form of functional rice lines that has high yield potential shall be cultivated. The aim of this research was to obtain lowland rice advanced lines which has high yield potential. This research was conducted in Pleret, Desa Pleret, Kecamatan Pleret, Kabupaten Bantul, Provinsi Daerah Istimewa Yogyakarta from January to May 2018. The field experiment was arranged in Randomized Complete Block Design with 4 replicates. The tested rice varieties were 10 lines and 2 varieties as comparisons, which consisted of B12531D-RS\*1-1-1-PN-5-1-3-3, B13727C-MR-2-5-5-1, B13784C-MR-2-5-6-5-KN-3, B13803C-MR-1-8-3-1, B13824E-MR-18-3-3, B13823E-MR-17-2-3-1-3-SKI-3, B13813D-RS\*1-1-MR-8-1, B14667E-MR-95, B13724C-MR-3-4-3-7, B14484E-MR-10-KN-3, as comparison varieties were Ciherang variety and Inpari 24 variety. The observation results were analyzed by the varieties on 5% real level and to know the real difference between rice advanced lines, LSI (*Least Significant Increase*) test was conducted on 5% test level. The result of the research showed that line B13823E-MR-17-2-3-1-3-SKI-3 and line B14484E-MR-10-KN-3 was eligible to be further tested with potential score of the result be higher than the 2 (two) comparison varieties, Ciherang and Inpari 24.

Keywords: Yield test, Advanced lines, Lowland rice