



INTISARI

Inti dari padi berdaya hasil tinggi terletak pada malainya. Karakter malai yang ideal dapat mendukung padi berdaya hasil tinggi. Setiap genotipe padi memiliki karakter malai yang beragam oleh karena itu identifikasi karakter malai padi dilakukan untuk mengetahui komponen-komponen pada malai yang mendukung terhadap hasil. Tiga puluh lima genotipe padi ditanam di Kebun Tridharma, Fakultas Pertanian, Universitas Gadjah Mada yang berlokasi di Banguntapan, Bantul, Daerah Istimewa Yogyakarta pada Agustus 2017 hingga Januari 2018. Hasil penelitian menunjukkan komponen hasil padi berdaya hasil tinggi terdiri dari tinggi tanaman, panjang daun bendera, lebar daun bendera, anakan produktif, pajang malai, cabang primer, cabang sekunder, jumlah biji per malai, biji bernas, dan berat 100 biji. Analisis lintas menunjukkan pengaruh langsung yang tertinggi yaitu anakan produktif, biji bernas, cabang primer, panjang daun bendera, panjang malai, berat 100 biji dan lebar daun bendera. Jadi berdasarkan pengamatan dan analisa komponen hasil maka genotipe padi berdaya hasil tinggi berkarakter anakan produktif 7-9, panjang malai 26-29 cm, cabang malai primer 12-13, cabang malai sekunder 30-35, jumlah biji per malai 136-200, biji bernas per malai 118-174, dan bobot 100 biji 2,38-2,49 gr.

Kata kunci : padi, karakter, malai, komponen hasil, daya hasil tinggi.



ABSTRACT

The determinant of high yielding rice variety lies in its panicle. Ideal panicle characters can support high yielding rice. Identification of panicle character of rice is needed to find out the components on the panicles that support the grain yield. Thirty-five rice were grown in Tridharma experimental field, Faculty of Agriculture, University of Gadjah Mada located in Banguntapan, Bantul, Yogyakarta Special Territory started from August 2017 to January 2018. The results showed high yield components consist of plant height, length of flag leaf, width of flag leaf, productive tillers, panicle length, primary branch of panicle, secondary branch of panicle, number of grain per panicle, filled grain, and a 100 grain weight. Path analysis showed the highest direct effect is productive tillers, filled grain, primary branches of panicle, length of flag leaf, panicle length, a 100 grain weight, and width of flag leaf. So based on the observation and analysis of the yield components trait, ideotype of high yielding rice genotype has characteristic of productive tiller 7-9, the panicle length 26-29 cm, the primary branch of panicle 12-13, the secondary branch of panicle 30-35, the number of grain per panicle 136-200, 118-174 filled grain per panicle, and a 100 grain weight 2,38-2,49 gr.

Keywords: rice, character, panicle, yield components, high yielding.