

INTISARI

Karakteristik suatu tanaman menjadi penciri khas dari sifat kualitatif atau kuantitatif yang dapat dijadikan tolok ukur perbandingan dengan tanaman lain. Penelitian ini bertujuan untuk mengevaluasi keragaan pertumbuhan dan hasil tiga calon kultivar hibrida jagung manis dan menentukan calon kultivar hibrida jagung manis yang memiliki keragaan pertumbuhan dan hasil sama seperti lima hibrida jagung manis komersial. Penelitian dilakukan di Karang Asam, Sendangtirto, Berbah, Sleman pada bulan November 2023 hingga Januari 2024. Perlakuan berupa genotipe-genotipe yang diuji terdiri dari tiga calon kultivar hibrida jagung manis, yaitu ANPF1 01, ANPF1 02, dan ANPF1 03, serta lima hibrida jagung manis komersial sebagai pembanding, yaitu Talenta, Jambore, So Sweet, Royal 76, dan RS 8. Perlakuan disusun dalam Rancangan Acak Kelompok Lengkap (RAKL) dengan empat ulangan. Data dianalisis menggunakan analisis ANOVA, apabila terdapat beda nyata dilakukan uji HSD Tukey pada tingkat kepercayaan 95%. Hasil penelitian menunjukkan bahwa calon kultivar hibrida ANPF 01, ANPF 02, dan ANPF 03 memiliki keragaan pertumbuhan, hasil, dan mutu yang setara seperti kelima hibrida komersial pembanding. ANPF 01, ANPF 02, dan ANPF 03 merupakan calon kultivar hibrida yang dapat diusulkan untuk dilepas sebagai kultivar hibrida jagung manis baru.

Kata kunci: hibrida jagung manis, evaluasi keragaan, pertumbuhan dan hasil

ABSTRACT

The characteristics of a plant are typically qualitative and quantitative traits that can be used as a benchmark for comparison with other plants. This study aims to evaluate the growth and yield performance of three sweet corn hybrid cultivar candidates and determine which sweet corn hybrid cultivar candidates have the same growth and yield performance as five commercial sweet corn hybrids. The research was conducted at Karang Asam, Sendangtirto, Berbah, and Sleman from November 2023 to January 2024. The genotypes tested consisted of three sweet corn hybrid candidate cultivars, ANPF1 01, ANPF1 02, and ANPF1 03, and five commercial sweet corn hybrids for comparison, Talenta, Jambore, So Sweet, Royal 76, and RS 8. The treatments were arranged in a randomized complete block design with four replications. Data were analyzed using ANOVA analysis, if there were significant differences, Tukey's HSD test was conducted at the 95% confidence level. The results showed that the candidate hybrid cultivars ANPF 01, ANPF 02, and ANPF 03 had similar growth, yield, and quality performance as the five commercial hybrids. ANPF 01, ANPF 02, and ANPF 03 are candidate hybrid cultivars that can be proposed for release as new sweet corn hybrid cultivars.

Keywords: sweet corn hybrids, evaluation of performance, growth and yield