# PENAMPILAN F1 HASIL PERSILANGAN MENTIMUN PADANG DENGAN BERBAGAI GENOTIPE MENTIMUN (*Cucumis sativus* L.)

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## ABSTRAK

Penelitian ini dilaksanakan di kebun percobaan Fakultas Pertanian Universitas Andalas pada bulan Januari sampai Maret 2017. Penelitian ini bertujuan untuk melihat penampilan F1 hasil persilangan mentimun Padang dengan berbagai genotipe mentimun yang dapat memperbaiki karakter ukuran buah mentimun Padang. Penelitian dilakukan dengan metode deskripsi dengan pengamatan secara langsung terhadap morfologi tanaman. Terdapat delapan genotipe mentimun hasil persilangan dan mentimun Padang (kontrol) yang digunakan dalam penelitian. Karakter kualitatif dideskripsikan berdasarkan panduan deskripsi mentimun dari *International Board Plant Genetic Research Institute* dan karakter kuantitatif dianalisis dengan menghitung rata-rata, ragam, dan standar deviasi. Penelitian ini berhasil mendapatkan delapan genotipe mentimun hasil persilangan (N1, N2, N3, N4, N5, N6, N7, N8) yang memiliki rata-rata panjang buah, diameter buah, bobot buah, dan tebal daging buah melebihi mentimun Padang, serta memiliki rasa buah manis berair dan pangkal buah tidak pahit. Delapan genotipe mentimun hasil persilangan memiliki keragaman warna kulit buah antar F1 dan di dalam F1 meliputi, hijau, hijau keputihan dan putih dengan pangkal hijau, serta memiliki umur simpan lebih lama dibandingkan mentimun Padang.

Kata kunci: *Genotipe, Karakter, Mentimun, Penampilan, Persilangan*

# APPEARANCE OF F1 RESULTED FROM CROSSING BETWEN PADANG CUCUMBER AND VARIOUS CUCUMBER GENOTYPES (*Cucumis sativus* L.)


## ABSTRACT

This research was conducted in experimental farm from January to Marh 2017, with the objective was to study the appearance of F1 from crossing between Padang cucumber with various cucumber genotypes that could improve the character of cucumber fruit size. The study was conducted using descriptive method by direct observation on plant morphology. There were eight cucumber genotypes resulted from the crossing. Padang cucumber was used as control. Qualitative characters were described based on the cucumber description guide of the International Board Plant Genetic Research Institute and quantitative characters were analyzed by calculating mean, variety, and standard deviation. This research succeeded to get eight cucumber genotypes of crosses (N1, N2, N3, N4, N5, N6, N7, N8) which had the average length of fruit, fruit diameter, fruit weight, and thickness of fruit flesh exceeding cucumber of Padang, and had flavor juicy and sweet fruits and fruit base was not bitter. Eight genotypes of cucumber from crossing had diversity inter F1 and within F1 of fruit skin color including green, whitish and white with green base, and had longer shelf life than the one of Padang cucumber.



Keywords: *Genotypes, Character, Cucumber, Appearance, Crossing*