

**PERTUMBUHAN DAN HASIL BEBERAPA GENOTIPE
GANDUM (*Triticum aestivum* L.) DI DATARAN RENDAH,
LIMAU MANIS, SUMATERA BARAT**

SKRIPSI

OLEH



Riza Fransiska

1610212085

Pembimbing 1 : Prof. Dr. Ir. Irfan Suliansyah, MS

Pembimbing 2 : Ir. Irawati, M. Rur. Sc. PhD

FAKULTAS PERTANIAN

UNIVERSITAS ANDALAS

PADANG

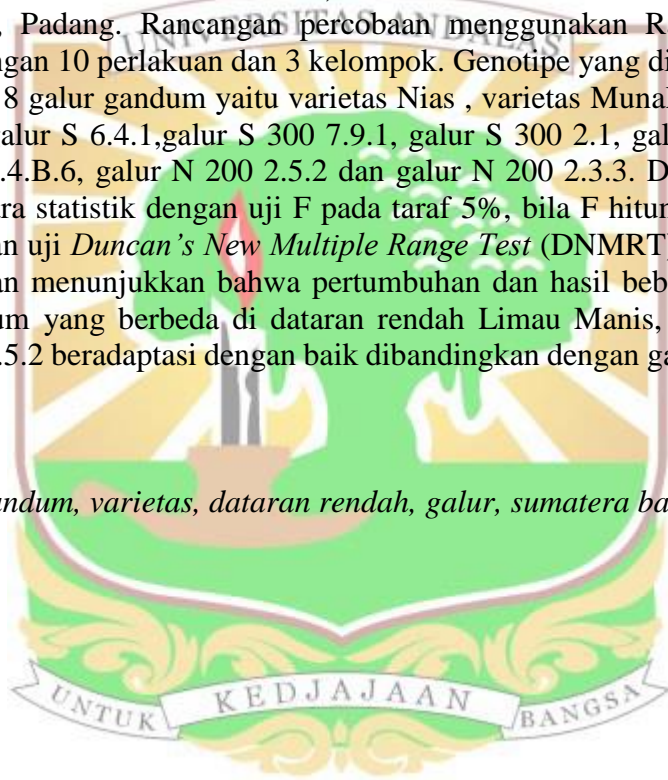
2021

PERTUMBUHAN DAN HASIL BEBERAPA GENOTIPE GANDUM (*Triticum aestivum* L.) DI DATARAN RENDAH, LIMAU MANIS, SUMATERA BARAT

ABSTRAK

Penelitian ini bertujuan untuk mendapatkan informasi genotipe gandum yang beradaptasi baik di dataran rendah Limau Manis, Sumatera Barat dengan ketinggian ± 168 m dpl. Penelitian dilaksanakan dari bulan Februari sampai Juni 2020, di Kebun Percobaan UPT Farm, Fakultas Pertanian Universitas Andalas, Limau Manis, Padang. Rancangan percobaan menggunakan Rancangan Acak Kelompok dengan 10 perlakuan dan 3 kelompok. Genotipe yang digunakan adalah 2 varietas dan 8 galur gandum yaitu varietas Nias, varietas Munal (Guri-3), galur S 300 8.3.1, galur S 6.4.1, galur S 300 7.9.1, galur S 300 2.1, galur N 350 3.7.2, galur N 200 2.4.B.6, galur N 200 2.5.2 dan galur N 200 2.3.3. Data pengamatan dianalisis secara statistik dengan uji F pada taraf 5%, bila F hitung > F tabel 5% maka dilakukan uji *Duncan's New Multiple Range Test* (DNMRT) pada taraf 5%. Hasil penelitian menunjukkan bahwa pertumbuhan dan hasil beberapa galur dan varietas gandum yang berbeda di dataran rendah Limau Manis, Sumatera Barat. Galur N 200 2.5.2 beradaptasi dengan baik dibandingkan dengan galur dan varietas lainnya.

Kata kunci: *gandum, varietas, dataran rendah, galur, sumatera barat*



THE GROWTH AND YIELD OF SEVERAL GENOTYPES OF WHEAT (*Triticum aestivum*. L) IN LOWLAND OF LIMAU MANIS, WEST SUMATERA

ABSTRACT

This study aims to obtain information on wheat genotypes that are well adapted to the lowland, Limau Manis, West Sumatera with an elevation of ± 168 meters above sea level. The research was conducted from February to June 2020, in the experimental garden of UPT Farm, Faculty of Agriculture, Andalas University, Limau Manis, Padang. Experimental design using a completely randomized block design with 10 treatments and 3 groups. The genotypes used were 2 varieties and 8 wheat strains, namely the Nias variety, the Munal (Guri-3) variety, the S 300 8.3.1 strain, the S 6.4.1 strain, the S 300 7.9.1 strain, the S 300 2.1 strain, the N 350 3.7.2 strain, the N 200 2.4.B.6 strain, the N 200 2.5.2 strain and the N 200 2.3.3 strain. Observation data were analyzed statistically with the F test at the 5% level and mean separation of Duncan's New Multiple Range Test (DNMRT) at the 5% level. Results showed that the growth and yield of several strains and varieties of wheat were different in the lowland Limau Manis, West Sumatera. strains N 200 2.5.2 is well adapted compared to other strains and varieties.

Keywords: wheat, varieties, lowland, strain, west sumatera

