

**PENGARUH UMUR PANEN DAN LEVEL PUPUK NITROGEN
TERHADAP PRODUKSI DAN KANDUNGAN NUTRIEN
Sorghum bicolor L. VARIETAS NUMBU**

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INTISARI

Sorghum merupakan tanaman pakan potensial untuk dikembangkan di daerah tropis yang memiliki musim kemarau panjang seperti di Indonesia. Penelitian ini bertujuan untuk mengetahui pengaruh umur panen dan level pupuk nitrogen terhadap produksi dan kandungan nutrisi tanaman sorgum varietas numbu. Penelitian ini menggunakan rancangan split blok. Blok utama yaitu umur panen yang terdiri dari U1 (50 hari), U2 (60 hari), dan U3 (70 hari). Sub blok yaitu level pupuk nitrogen yang terdiri dari P1 (0 kg/ha), P2 (100 kg/ha), dan P3 (200 kg/ha). Masing-masing perlakuan dilakukan 3 ulangan. Data dianalisis dengan analisis variansi dan beda antar rerata diuji dengan Duncan's Multiple Range Test (DMRT). Hasil penelitian menunjukkan bahwa tinggi tanaman tertinggi pada perlakuan U3 (145,7cm) dan P3 (134,7cm). Produksi tanaman dipengaruhi oleh umur panen dan level pupuk. Perlakuan U3 dan P3 memiliki produksi tertinggi. Kandungan BK, BO, SK dan TDN sorgum varietas numbu terbaik dipanen umur 70 hari, sedangkan kandungan PK, LK, dan BETN tidak dipengaruhi oleh umur panen. Pertumbuhan dan produksi tanaman sorgum terbaik dipanen pada umur 70 hari. Level pupuk urea 200 kg/ha mampu meningkatkan pertumbuhan dan produksi tanaman sorgum numbu. Level pupuk urea 200 kg/ha mampu meningkatkan kandungan protein kasar dan TDN, serta menurunkan kadar serat kasar.

(Kata kunci : Sorgum, Umur panen, Level pupuk nitrogen, Pertumbuhan, Produksi, Kandungan nutrisi).

**EFFECT OF HARVEST TIME AND NITROGEN LEVEL ON THE
PRODUCTION AND NUTRIENT CONTENTS OF
Sorghum bicolor L. VARIETIES NUMBU**

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ABSTRACT

Sorghum is a potential feed crop to be developed in tropical regions which have a long dry season such as in Indonesia. This study aimed to determine the effect of harvest age and nitrogen fertilizer level on the production and nutrient content of sorghum varieties of numbu. This study used a split block design. The main block was harvest age consisting of U1 (50 days), U2 (60 days), and U3 (70 days). Sub blocks were nitrogen fertilizer levels consisting of P1 (0 kg / ha), P2 (100 kg / ha), and P3 (200 kg / ha). Each treatment carried out 3 replications. Data were analyzed by analysis of variance and differences between means were tested with Duncan's Multiple Range Test (DMRT). The results showed that the highest plant height was at treatment U3 (145.7cm) and P3 (134.7cm). Crop production is affected by harvest age and fertilizer level. U3 and P3 treatments have the highest production. The content of BK, BO, SK and TDN sorghum varieties of the best numbu is harvested at 70 days, while the content of PK, LK, and BETN is not affected by harvest age. The best growth and production of sorghum plants is harvested at the age of 70 days. The level of urea fertilizer of 200 kg / ha can increase the growth and production of sorghum numbu. The level of urea fertilizer of 200 kg / ha can increase the content of crude protein and TDN, and reduce levels of crude fiber.

(Keywords : *Sorghum bicolor* L, Harvest time Level of nitrogen fertilizer NPK, Growth, Production, Nutrient contents).