

**PEMANFAATAN AMPAS TEBU, SERPIHAN KAYU, POTONGAN JERAMI  
DAN CAMPURAN KETIGANYA SEBAGAI BAHAN LITTER KANDANG  
AYAM PEDAGING TERHADAP KINERJA PRODUKSI**

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**INTISARI**

Penelitian ini bertujuan untuk mengetahui pengaruh dari pemanfaatan serpihan kayu (SK), ampas tebu (AT), potongan jerami (PJ) dan campuran ketiganya (ASP) sebagai bahan litter kandang ayam pedaging terhadap kinerja produksinya. Seratus tiga puluh dua ekor DOC ayam pedaging betina (*sexed chicks*) strain MB-202P ditempatkan secara acak ke dalam empat perlakuan dengan 11 ekor ayam dan tiga ulangan untuk setiap perlakuan. Perlakuan tersebut adalah kandang dengan litter dari serpihan kayu (SK), ampas tebu (AT), potongan jerami (PJ) dan campuran ketiganya (ASP), setiap kandang diisi 8,58 Kg (6,6 Kg/m<sup>2</sup>) bahan litter, dikeringkan dahulu dengan sinar matahari. Pakan dan air minum diberikan secara *ad libitum* sampai 42 hari. Pakan yang digunakan adalah pakan komersial untuk fase starter dengan kandungan protein kasar 21-22 %; kalsium 0,9-1,1 %; phosphor 0,7-0,9 %; lemak 4 %; serat kasar 4 %; dan ME 3200 Kcal/kg. Variabel yang diamati meliputi: konsumsi pakan, berat badan, pertambahan berat badan, konversi pakan dan mortalitas. Data dianalisis dengan menggunakan analisis variansi rancangan acak lengkap pola searah, dan dilanjutkan uji beda mean dengan menggunakan *Duncan's Multiple Range Test*. Hasil penelitian menunjukkan bahwa penggunaan SK, AT, PJ dan ASP berpengaruh tidak nyata terhadap kinerja produksi, tetapi konsumsi pakan ayam broiler pada SK signifikan lebih tinggi dibanding PJ ( $P < 0,05$ ). Secara umum dapat disimpulkan bahwa AT, SK, PJ DAN ASP dapat digunakan sebagai bahan litter kandang ayam pedaging tanpa mengganggu kinerja produksi.

(Kata kunci: , ayam pedaging, kinerja produksi, litter, ampas tebu, potongan jerami, serpihan kayu)

**THE UTILISATION OF SUGAR PULP KANE, PINE SHAVING, PADDY  
STRAW, AND THE MIXED FOR LITTER MATERIAL UPON  
PERFORMANCE PRODUCTION ON BROILER CHICKENS**

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**ABSTRACT**

The experiment was conducted to study the effect of pine shavings (SK), sugar pulp kane (AT), paddy straw (PJ) and the mixed (ASP) for litter material upon production performance on broiler chickens. One hundred and thirty two hens of sexed chicks strain MB-202P were placed randomly to 4 treatment (AT, SK, PJ, and ASP) each treatment used 11 birds and replicated three times. The treatments were SK, AT, PJ and ASP. Litter material were placed 8,58 Kg (6,6 kg/m<sup>2</sup>) each pens and was sunlight dried. Feed and water were given ad libitum until 42 days. The birds were with a commercial stater diet's of PK 21-23 %; ME 3200 kcal/kg; Ca 0,9-1,1 %; P 0,7-0,9 %; fat 4% and fiber 4%. The measured parameter were feed consumption, body weight, gain, feed conversion, and mortality. The data were analised by analise variance of Completely Randomized Design and the significant difference of means were tested by Duncan's Multiple Range Test. The result indicated that the utilisation of SK, AT, PJ and ASP for litter material did not significantly affect production performance, but feed consumption bird on SK were significantly higher than PJ (P<.05). Generaly, it could be concluded that AT, SK, PJ and ASP can be used as litter to raise broilers without affecting production performance.

(keys word: broiler chickens, production performance, litter, sugar pulp kane, paddy straw and pine shavings)