

## ABSTRAK

### PENGARUH PEMBERIAN JAMU TRADISIONAL DALAM AIR MINUM TERHADAP PERFORMA *BROILER*

Oleh

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Penelitian ini bertujuan untuk: 1) mengetahui pengaruh penambahan perasan kunyit dan rebusan campuran daun sirih hijau dan daun jambu biji dalam air minum terhadap performa *broiler*; 2) mengetahui pemberian perasan kunyit, rebusan daun sirih hijau dan daun jambu biji dalam air minum yang terbaik terhadap performa *broiler*. Penelitian ini dilaksanakan pada 02 Oktober 2015--30 Oktober 2015 selama 30 hari di Janu Farm Desa Serdang Kecamatan Tanjung Bintang Kabupaten Lampung Selatan.

Metode penelitian dilakukan secara eksperimental menggunakan Rancangan Acak Lengkap (RAL), terdiri atas 3 perlakuan dan 6 ulangan. Perlakuan tersebut adalah : 1) P<sub>0</sub> : air biasa 2) P<sub>1</sub> : perasan kunyit dan 3) P<sub>2</sub> : rebusan daun jambu biji dan daun sirih dengan perbandingan 50% : 50%. Bahan penelitian yang digunakan pada penelitian ini adalah *broiler* strain *Lohmann* dengan merk MB 202<sup>®</sup> umur 2 minggu sebanyak 90 ekor berasal dari PT. Multi Breeder Adirama Indonesia, Tbk yang dipelihara selama 28 hari.

Hasil penelitian menunjukkan bahwa : (1) Penambahan perasan kunyit (P<sub>1</sub>) dan campuran perasan daun jambu biji dan daun sirih hijau (P<sub>2</sub>) dalam air minum *broiler* berpengaruh tidak nyata ( $P > 0,05$ ) terhadap konsumsi air minum, penambahan bobot tubuh, dan konversi ransum namun berpengaruh nyata terhadap konsumsi ransum. (2) Campuran perasan daun jambu biji dan daun sirih hijau (P<sub>2</sub>) dalam air minum *broiler* menunjukkan performa terbaik dengan konsumsi ransum terendah.

Kata kunci : *broiler*, jamu tradisional, performa.

## ABSTRACT

### THE EFFECT OF TRADITIONAL HERBAL SUPPLY IN DRINKING WATER ON BROILER PERFORMANCE

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The purpose of this research was to: 1) know the effect of *Curcuma domestica* extract, leaf mixed boiling of *Psidium guajava L* and *Piper betle Linn* in drinking water on broiler performance; 2) know the optimal supply of *Curcuma domestica* extract, boiling of green *Piper betle Linn* leaf and *Psidium guajava L* leaf in drinking water was better on broiler performance. The research was conducted in 2<sup>th</sup> October to 30<sup>th</sup> October, 2015 as long as 30 days in Janu Farm, Serdang Village, Tanjung Bintang Subdistrict, South of Lampung Regency.

The method of this research used experimental technique with completely randomized design (CRD), consist of 3 treatments and 6 replications. The treatments were: 1) P<sub>0</sub>: well water; 2) P<sub>1</sub>: *Curcuma domestica* extract and; 3) P<sub>2</sub>: the leaf boiling of *Psidium guajava L* and *Piper betle Linn* with comparison of 50% : 50%. Ninethy DOC broiler *Lohmann* strain were long as 28 days.

The results showed that: (1) *Curcuma domestica* extract (P<sub>1</sub>) and mixed of *Psidium guajava L* and *Piper betle Linn* leaf extract (P<sub>2</sub>) in drinking water were not significantly different ( $P > 0,05$ ) of drinkig water consumption, body weight, and feed cunversion ratio but significantly on feed consumption. (2) The mixed of *Psidium guajava L* and *Piper betle Linn* leaf extract (P<sub>2</sub>) in drinking water of broiler showed best performance on feed consumption.

Keyword: broiler, traditional herbal, performance