

HALAMAN PENGESAHAN

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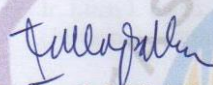
**PENGARUH PENGGUNAAN TEPUNG KULIT PISANG GOROHO
(*Musa accuminata*, sp) FERMENTASI TERHADAP BERAT TELUR,
KONVERSI PAKAN DAN *INCOME OVER FEED COST* (IOFC)
AYAM RAS PETELUR FASE LAYER**

Oleh:

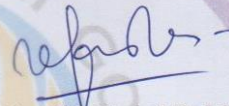
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Pembimbing I



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Pembimbing II

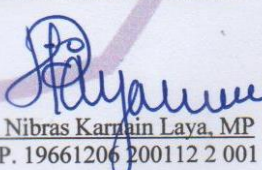

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PERSETUJUAN PEMBIMBING SKRIPSI

**PENGARUH PENGGUNAAN TEPUNG KULIT PISANG GOROHO
(*Musa accuminata*, sp) FERMENTASI TERHADAP BERAT TELUR,
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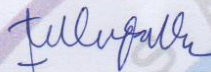
OLEH:

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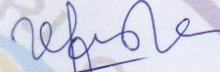
Telah Diperiksa dan Disetujui oleh Komisi Pembimbing

Pembimbing I

Pembimbing II



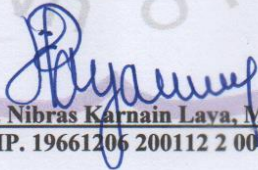
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ABSTRAK

I Kadek Purwantara. 2020. Pengaruh Penggunaan Tepung Kulit Pisang Goroho (*Musa accuminata*) Fermentasi Terhadap Berat Telur, Konversi Pakan dan Income Over Feed Cost (IOFC) Ayam Ras Petelur Fase Layer Di bawah Bimbingan Ellen J Saleh dan Musrifah Nusi.

Penelitian ini bertujuan untuk mengetahui tingkat pemberian dan pengaruh tepung kulit pisang goroho fermentasi terhadap berat telur, konversi pakan dan income over feed cost (IOFC). Penelitian ini dilaksanakan bulan Juni 2019 sampai dengan bulan Juli 2019 bertempat dikandang percobaan Laboratorium jurusan Peternakan Fakultas Pertanian Universitas Negeri Gorontalo. Penelitian ini menggunakan 64 ekor ternak ayam petelur fase layer. Penelitian ini dilakukan selama 5 minggu. Penelitian ini menggunakan rancangan acak lengkap (RAL) dengan empat perlakuan dan empat ulangan. Perlakuan yang diberikan sebagai berikut: P0 pakan kontrol tanpa penam bahan tepung kulit pisang goroho fermentasi, P1 pakan dengan 5% tepung kulit pisang goroho fermentasi, P2 pakan dengan 10% tepung kulit pisang goroho fermentasi, P3 pakan dengan 15% tepung kulit pisang goroho fermentasi. Hasil penelitian menunjukkan bahwa pakan berpengaruh tidak nyata terhadap berat telur ayam ras petelur fase layer terdapat pada P1 dengan rata-rata berat telur 23,58 butir/ekor/minggu. Ransum berpengaruh sangat nyata terhadap penambahan berat telur ayam ras petelur fase layer terdapat pada P2 dengan rata-rata berat telur 28,60 butir/ekor/minggu. Sedangkan untuk konversi ransum berpengaruh tidak nyata konversi tertinggi terdapat pada perlakuan P1 2,29. Dari hasil penelitian ini disimpulkan bahwa penggunaan tepung kulit pisang goroho fermentasi pada taraf 10% dapat meningkatkan berat telur, income over feed cost dan menurunkan konversi pakan ternak ayam ras petelur fase layer.

Kata kunci : *kulit pisang goroho, fermentasi, ayam ras petelur, penggunaan.*

ABSTRACT

I Kadek Purwantara. 2020. The Effect of Use of Fermented Goroho Banana (*Musa acuminata*, se) Peel Flour towards Egg Weight, Feed Conversion Ratio, and Income Over Feed Cost (IOFC) of Laying Hens in Layer Phase. The principal supervisor is Ellen J Saleh, and the co-supervisor is Musrifah Nusi.

The research objective was to find out the distribution rate and effect of fermented goroho banana peel flour on the egg weight, feed conversion ratio, and income over feed cost (IOFC). The research was conducted from June to July 2019, located in experiment cage of laboratory of Department of Animal Science, Faculty of Agriculture, State University of Gorontalo. The research applied 64 laying hens in layer phase. The research was conducted in 5 weeks and applied a completely randomized design (CRD) with four treatments and four replications. The treatments were: P0 for control feed without addition of fermented goroho banana peel flour, P1 for feed with 5% of fermented goroho banana peel flour, P2 for feed with 10% of fermented goroho banana peel flour, and P3 for feed with 15% of fermented goroho banana peel flour. The research finding showed that the feed had no significant effect on the egg weight of laying hens in layer phase, which was found in P1 with average egg weight for 23,58% egg/laying hens/week. Meanwhile, ration affected the increase of egg weight of laying hens in layer phase significantly, and it was found in P2 with average egg weight for 28,60 egg/laying hens/week. Then, the ration conversion had a significant effect in which the highest conversion was found in treatment P1 for 2,29. Based on the findings, it was concluded that the use of fermented goroho banana peel flour in the level of 10% could increase egg weight, income over feed cost, and reduced conversion of feed for laying hens in layer phase.

Keywords: *goroho banana peel, fermentation, laying hens, use*

