

RINGKASAN

IIN ERIANDANI. Pertumbuhan absolut dan relatif ayam broiler pada pemberian tepung daun akar purwo (*Eryngium foetidum L*). Penelitian ini bertujuan untuk mengetahui pengaruh penggunaan tepung daun akar purwo terhadap pertumbuhan absolut dan relatif ayam broiler.

Materi yang digunakan ialah 80 ekor ayam broiler MB-202 platinum PT. Jafpa Comfeed Indonesia. Rancangan penelitian yang digunakan adalah Rancangan Acak Lengkap (RAL) dengan 4 perlakuan, 5 ulangan dan diuji lanjut menggunakan orthogonal polynomial dengan perlakuan 4 taraf daun akar purwo konsentrasi 0% (R₀), 1.5% (R₁), 3% (R₂), 4.5% (R₃). Rataan pertumbuhan absolut ayam broiler R₀, R₁, R₂, R₃ adalah 19.37g, 20.55g, 22.94g, 23.41g sedangkan rata-rata persentase pertumbuhan relatif ayam broiler adalah 60.376%, 60.350%, 59.286%, 59.284%.

Hasil analisis variansi menunjukkan bahwa penambahan tepung daun akar purwo (*Eryngium foetidum L*) pada pakan berpengaruh sangat nyata ($P < 0,01$) pada pertumbuhan absolut dan berpengaruh nyata ($P < 0,05$) pada pertumbuhan relatif. Semakin tinggi taraf penambahan tepung daun akar purwo maka semakin tinggi pertumbuhan absolut dan persentase pertumbuhan relatif semakin rendah. Kesimpulan penelitian penggunaan tepung daun akar purwo sampai taraf 4.5% mampu meningkatkan pertumbuhan absolut dan penurunan persentase pertumbuhan relatif.

Kata kunci: Akar purwo (*Eryngium foetidum L*), Pertumbuhan Absolut, Pertumbuhan Relatif

SUMMARY

IIN ERIANDANI. Absolute and relative growth of broiler chicken fed akar purwo leaf meal (*Eryngium foetidum L*). The research aimed to know the effect of akar purwo leaf meal on absolute and relative growth of broiler chicken. The materials used were 80 heads of broiler chicken MB-202 platinum PT. Japfa Comfeed Indonesia.

The research design used was Completely Randomized Design (CRD) with 4 treatments, 5 replications and was tested further using the orthogonal polynomial test with treatments of 4 levels of akar purwo leaf meal i.e 0% (R₀), 1.5% (R₁), 3% (R₂), 4.5% (R₃) concentration. The mean values of absolute growth of broiler chicken were R₀, R₁, R₂, R₃ i.e 19.37g, 20.55g, 22.94g, 23.41g whereas the presentation mean of relative growth of broiler chicken were 60.38%, 60.35%, 59.29%, 59.28%.

The results of variance analysis showed that the additions of akar purwo leaf meal (*Eryngium foetidum L*) of feed gave very significant effect (P<0,01) on absolute growth and a significant effect (P<0,05) on relative growth. The highest absolute growth was in the treatment of R₃ and the lowest relative growth was in treatment R₃. The conclusion is akar purwo leaf meal up to 4.5% is able to increase absolute growth and decrease relative growth.

Keywords: Akar purwo (*Eryngium foetidum L*), Absolute growth, Relative growth.