

RINGKASAN

AI SONIA. Penelitian ini bertujuan untuk mengetahui pengaruh pemberian tepung Daun Akar Purwo terhadap total bakteri dan bakteri *Escherichia coli* saluran pencernaan ayam broiler. Materi penelitian yang digunakan adalah 80 ekor DOC ayam broiler, MB-202 platinum PT. Japfa Comfeed Indonesia. Rancangan menggunakan Rancangan Acak Lengkap (RAL) dengan empat perlakuan dan lima ulangan, dilanjutkan dengan uji orthogonal polynomial. Perlakuan empat level daun Akar Purwo dengan konsentrasi 0% (R0), 1.5% (R1), 3% (R2), 4.5% (R3). Hasil penelitian menunjukkan bahwa penambahan tepung Daun Akar Purwo (*Eryngium foetidum* L.) pada pakan berpengaruh tidak nyata ($P>0,05$) terhadap total bakteri dan bakteri *Escherichia coli* saluran pencernaan ayam broiler. Hasil penelitian rata-rata total bakteri berkisar antara $1.9 \times 10^8 \pm 0.764$ - $2.5 \times 10^8 \pm 0.581$ cfu/ml, sedangkan rata-rata bakteri *Escherichia coli* berkisar antara $1.6 \times 10^8 \pm 0.217$ - $2.4 \times 10^8 \pm 0.522$ cfu/ml. Disimpulkan penggunaan tepung daun Akar Purwo (*Eryngium foetidum* L.) sampai 4.5% dalam pakan menghasilkan total bakteri dan bakteri *Escherichia coli* saluran pencernaan ayam broiler yang relatif sama.

Kata kunci: Tanaman Akar Purwo (*Eryngium foetidum* L.), Ayam broiler.

SUMMARY

AI SONIA. This study aimed to determine the effect of akar purwo leaf meal on total bacteria and *Escherichia coli* bacteria in gastrointestinal tract of broiler chickens. The research material used is 80 DOC broiler chicken, MB-202 platinum PT. Japfa Comfeed Indonesia. The design using was Completely Randomized Design (CRD) with four treatments and five replications, followed by orthogonal polynomial test. The treatments of four levels akar purwo leaf meal with the concentrations of 0% (R0), 1.5% (R1), 3% (R2), 4.5% (R3). The results showed that the additions of akar purwo (*Eryngium foetidum* L.) to feed did not significant ($P > 0,05$) effect total bacteria and *Escherichia coli* bacteria in gastrointestinal tract of broiler chicken. The results showed that the total bacterial activity ranged from $1.9 \times 10^8 \pm 0.764$ - $2.5 \times 10^8 \pm 0.581$ cfu/ml, while the average bacterium ranged from $1.6 \times 10^8 \pm 0.217$ - $2.4 \times 10^8 \pm 0.522$ cfu/ml. It was concluded that the uses of akar purwo leaf meal up to 4.5% in feed resulted in total bacteria and *Escherichia coli* bacteria gastrointestinal tract of broiler chickens similar.

Keywords: Akar Purwo (*Eryngium foetidum* L.), Broiler chicken.