

## **ABSTRAK**

**Pikran Onto. 2018. Pengawetan Telur Ayam Ras Yang Diberikan Ekstrak Daun Lamtoro (*Leucaena leucocephala*) Dengan Lama Penyimpanan 35 Hari. Muhammad Sayuti sebagai pembimbing I dan Siswatiana Taha sebagai pembimbing II.**

Penelitian ini bertujuan untuk dapat mengetahui pengawetan telur ayam ras yang diberikan ekstrak daun lamtoro dengan lama penyimpanan 35 hari. Penelitian ini dilaksanakan di Desa Lamahu Kecamatan Bolango Timur Kabupaten Bonebolango pada bulan Mei 2018 sampai Juni 2018. Penelitian ini menggunakan 128 butir telur ayam ras dan 1000 gr daun lamtoro. Data yang diperoleh dianalisis menggunakan Rancangan Acak Lengkap (RAL) pola faktorial 4 x 4 dengan 4 perlakuan dan 4 ulangan. Parameter yang diamati pada penelitian ini adalah penerunan berat telur, diameter rongga udara dan pH telur. Hasil penelitian menunjukkan bahwa perendaman telur ayam ras dengan ekstrak daun lamtoro selama 35 hari dalam konsentrasi 10%, 20% dan 30% tidak berpengaruh nyata ( $P>0,05$ ) terhadap penurunan berat telur, diameter rongga udara dan pH telur.

**Kata Kunci : Telur ayam ras, Daun Lamtoro (*Leucaena Leucocephala*), Lama Simpan.**

## ABSTRACT

**Pikran Onto. 2018. The Preservation of Native Chicken Eggs by Using Leucaena (*Leucaena leucocephala*) with Storage Duration of 35 Days. The principal supervisor is Muhammad Sayuti and the co-supervisor is Siswatiana Taha.**

The research aimed to know the preservation of native chicken eggs by using leucaena with 35 days storage duration. It was conducted through applying Completely Randomized Design with four treatments and four replications. The treatments were filtrate of leucaena with concentrations of 0, 10, 20, and 30% with duration of egg soaking for 24 hours. Research data were analyzed based on Completely Randomized Design. The observed parameters were percentage of weight reduction, pH, and air cavity of the native chicken eggs that were kept in room temperature for 35 days. Research finding from analysis of variance showed that eggs of the native chicken was soaked during 24 hours in room temperature for 35 days did not have significant influence ( $P>0,05$ ) on percentage of weight reduction, pH and diameter of air cavity of the eggs. In conclusion, 24-hour soaking can delay process of quality reduction of the native chicken eggs during 35 days of storage.

**Keywords: Egg of Native Chicken, Leucaena (*Leucaena Leucocephala*), concentration**