

PENILAIAN KESEJAHTERAAN SAPI POTONG PADA PRINSIP GOOD HOUSING DI PUSAT INOVASI AGROTEKNOLOGI UNIVERSITAS GADJAH MADA

Reza Satria Mahendra
17/413079/PT/07467

INTISARI

Penelitian ini bertujuan menilai kesejahteraan sapi potong ditinjau dari prinsip *good housing* di Pusat Inovasi Agroteknologi UGM. Sebanyak 24 ekor sapi di kandang tambat dan 8 ekor sapi di kandang umbaran digunakan pada penelitian ini. Parameter yang diamati diadaptasi berdasarkan *Welfare Quality® Assessment Protocol for Cattle* meliputi kenyamanan saat beristirahat, kenyamanan termal, dan kebebasan bergerak. Hasil pengamatan dianalisis dengan uji *t-test: Two samples assuming unequal variances* dan deskriptif kuantitatif. Penilaian dilakukan dengan kombinasi rumus substitusi dan integral *choquet*. Hasil penelitian pada kandang tambat dan umbaran menunjukkan nilai kenyamanan saat beristirahat sebesar 42,25 dan 94,23; Nilai kemudahan bergerak pada kandang tambat yaitu 96,02 dan pada kandang umbaran sebesar 100; serta nilai THI sebesar 79. Berdasarkan skor masing-masing kriteria, diperoleh skor akhir prinsip *good housing* di kandang tambat sebesar 58,38 dan di kandang umbaran sebesar 95,96. Kesejahteraan sapi potong pada prinsip *good housing* di kandang tambat tergolong baik, sedangkan di kandang umbaran tergolong sangat sejahtera.

Kata kunci : Sapi potong, Kesejahteraan hewan, Penilaian, *Good housing*

**BEEF CATTLE WELFARE ASSESSMENT ON *GOOD HOUSING*
PRINCIPLE IN AGROTECHNOLOGY INNOVATION CENTER
UNIVERSITAS GADJAH MADA**

Reza Satria Mahendra
17/413079/PT/07467

ABSTRACT

This study was aimed to assess the welfare of beef cattle in terms of *good housing* at Agrotechnology Innovation Center UGM. A total of 24 tied cattle and 8 free-ranged cattle was used in this study. Parameters observed was adapted from the *Welfare Quality® Assessment Protocol for Cattle* include comfort around resting, thermal comfort, and ease of movement. The results of the observations were analyzed by t-test: Two samples assuming unequal variances and quantitative descriptive. The score were calculated using a combination of substitution formula and choquet integral. The results of the study on both tied and free-ranged cattle showed that comfort around resting score were 42,25 and 93,27; ease of movement for tied cattle were 96,02 and 100 for free-ranged; also the THI value of 79. Based on the scores for each criterion, the final score of the *good housing* principle in tied cattle is 58,38 and in free-ranged cattle is 95,96. The welfare on *good housing* principle in tied cattle is categorized as enhanced, where as free-ranged cattle is categorized as excellent.

Keywords : Beef cattle, Animal welfare, Assessment, Good housing