

LEMBAR
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
KARYA ILMIAH : PROSIDING

Judul Artikel Ilmiah : Milk Production and Milk Quality of Sub-Clinical Mastitis Cows Feed with Different Supplementation of Herbal in the Diet

Penulis Artikel Ilmiah : D W Harjanti, F Wahyono, Diana Nur Afifah

Status Pengusul : Penulis pertama/penulis anggota/penulis korespondensi

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- a. Nama Prosiding : IOP Conf. Series: Earth and Environmental Science
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- g. Jumlah halaman : 6
- h. Terindeks di (jika ada) : SCOPUS

Kategori Publikasi : Seminar Internasional Terideks (SCOPUS)
 Seminar Internasional Tidak Terideks
 Seminar Nasional

(beri ✓ pada kategori yang tepat)

I. Hasil Penilaian Peer Review :

Komponen Yang Dinilai	Nilai Maksimal Jurnal Ilmiah (isikan di kolom yang sesuai)			Nilai Akhir Yang Diperoleh
	Seminar Internasional Terideks	Seminar Internasional Tidak Terideks	Seminar Nasional	
	30			
a. Kelengkapan dan Kesesuaian	3			3
b. Ruang lingkup dan kedalaman pembahasan (30%)	9			8,8
c. Kecukupan dan kemutakhiran data/informasi dan metodologi	9			9
d. Kelengkapan unsur dan kualitas penerbit (30%)	9			9
Nilai Total = (100%)	30			29,8

Nilai pengusul = $(40\% \times 29,8)/2 = 5,96$

KOMENTAR/ULASAN PEER REVIEW

Kelengkapan dan Kesesuaian Unsur	: Prosiding dari seminar internasional bereputasi dengan unsur lengkap dari abstract, introduction, methods, discussion, acknowledgement, dan references
Ruang Lingkup dan Kedalaman Pembahasan	: Ruang lingkup penelitian menganalisis susu dari sapi yang mengalami sub-klinikal mastitis dan diberi pakan berbagai campuran herbal. Pembahasan mendalam dengan menggunakan 15 referensi dan variasi bidang ilmu penulis
Kecukupan & Kemutakhiran Data & Metodologi	: Menguji penerimaan susu hasil produksi tersebut dan ternyata pakan dengan berbagai tambahan herbal tidak mengubah rasa, aroma, tekstur, dan warna
Kelengkapan Unsur dan Kualitas Penerbit	: Terbitan lengkap memuat vol, tahun dan daftar isi serta terindeks di SCOPUS

Semarang, 14 Mei 2019
 Penilai 1



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Kategori Publikasi : Seminar Internasional Terindeks (SCOPUS)

(beri ✓ pada kategori yang tepat) Seminar Internasional Tidak Terindeks

Seminar Nasional

I. Hasil Penilaian *Peer Review* :

Komponen Yang Dinilai	Nilai Maksimal Jurnal Ilmiah (isikan di kolom yang sesuai)			Nilai Akhir Yang Diperoleh
	Seminar Internasional Terindeks	Seminar Internasional Tidak Terindeks	Seminar Nasional	
	30			
a. Kelengkapan dan Kesesuaian	3			3
b. Ruang lingkup dan kedalaman pembahasan (30%)	9			8,8
c. Kecukupan dan kemutakhiran data/informasi dan metodologi	9			8,8
d. Kelengkapan unsur dan kualitas penerbit (30%)	9			9
Nilai Total = (100%)	30			29,6
Nilai pengusul =	$(40\% \times 29,6)/2 = 5,92$			

KOMENTAR/ULASAN PEER REVIEW

Kelengkapan dan Kesesuaian Unsur	: Prosiding internasional bereputasi dan terindeks di SCOPUS dengan unsur lengkap dari abstract hingga references
Ruang Lingkup dan Kedalaman Pembahasan	: Ruang lingkup penelitian mengetahui perbedaan susu yang diproduksi oleh dari sapi yang mengalami sub-klinikal mastitis dan diberi pakan berbagai campuran herbal. Kolaborasi penelitian yang baik sehingga memperdalam pembahasan dengan menggunakan 15 referensi
Kecukupan & Kemutakhiran Data & Metodologi	: Uji organoleptik dilakukan untuk mengetahui apakah ada perbedaan citara susu yang dihasilkan
Kelengkapan Unsur dan Kualitas Penerbit	: Terbitan lengkap memuat vol, tahun dan daftar isi

Semarang, 11 Juli 2019
 Penilai 2



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23–24 October 2018, Purwokerto, Indonesia**

Accepted papers received: 01 March 2019

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D W Harjanti, F Wahyono and D N Afifah

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Volume 250, Issue 1, 5 April 2019, Article number 012062
International Conference on Sustainable Agriculture for Rural Development 2018, ICSARD 2018;
Purwokerto; Indonesia; 23 October 2018 through 24 October 2018; Code 147383

Milk production and milk quality of sub-clinical mastitis cows feed with different supplementation of herbal in the diet (Conference Paper) (Open Access)

Harjanti, D.W.^a ✉, Wahyono, F.^a, Afifah, D.N.^b

^aDepartment of Animal Science, Faculty of Animal and Agricultural Sciences, Diponegoro University, Indonesia

^bCentre of Nutrition Research, Medical Faculty, Diponegoro University, Indonesia

Abstract

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This study was aimed to evaluate effect of five Indonesian herbals on milk production and bacterial count in sub-clinical mastitis cows. A completely randomized design split plot in time with 4 replications and 4 treatments was used. The main plot was basal diet supplemented with 12.5 g/100kgBW of mixed-herbal. Dietary treatments were basal diet supplemented with various composition, T0 (without herbal additive); T1 (70% *Sauropus androgynus*, 25% *Curcuma xanthorrhiza*, and 5% *Alpinia galanga*), T2 (70% *Piper betle*, 25% *Curcuma domestica*, 5% *Curcuma xanthorrhiza*), and T3 (35% *Sauropus androgynus*, 35% *Piper betle*, 10% *Curcuma xanthorrhiza*, 10% *Curcuma domestica* and 10% *Alpinia galanga*). Sub plot was treatment duration (0, 5 and 10 days). Data showed that bacterial count in T1, T2 and T3 were lower ($P < 0.05$) than T0. Among herbal groups, cows in T3 had lowest bacterial count and reached Indonesian standard for milk quality ($< 10^6$ cfu/ml) after 5 days treatments. Cows fed with T1 and T3 produced more milk ($P < 0.05$). Milk total solid and lactose contents in T1 were the highest ($P < 0.05$), whereas highest milk fat in T3 ($P < 0.05$). In conclusion, herbal feed additive could be used as an alternative for mastitis treatment to ensure milk productivity and milk safety. © 2019 Published under licence by IOP Publishing Ltd.

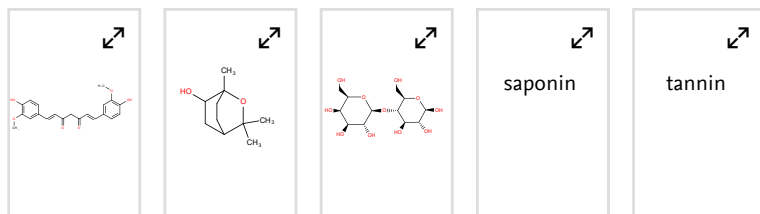
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(2019) *IOP Conference Series: Earth and Environmental Science*

Sauropus androgynus (L.) Merr. Induced Bronchiolitis Obliterans: From Botanical Studies to Toxicology

Bunawan, H. , Bunawan, S.N. , Baharum, S.N.
(2015) *Evidence-based Complementary and Alternative Medicine*

Melanogenesis-Inhibitory and Cytotoxic Activities of Chemical Constituents from the Leaves of *Sauropus androgynus* L. Merr. (Euphorbiaceae)

Zhang, J. , Zhu, W.-F. , Zhu, W.-Y.
(2018) *Chemistry and Biodiversity*