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Review: Pemanfaatan Herbal sebagai Pakan Aditif Alami dan Pengobatan terhadap Performa Ternak

Review: Use of Herbs as Natural Feed Additives and Treatment for Animal Performance

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Abstrak

Pelarangan penggunaan *Antibiotic growth promotor (AGP)* sebagai *feed additive* untuk meningkatkan produktivitas ternak menyebabkan penelitian untuk mencari pengganti penggunaan *AGP* banyak dilakukan. Zat metabolit sekunder yang dimiliki herbal berpotensi untuk meningkatkan produktivitas ternak tanpa menimbulkan efek negatif bagi saluran cerna. Hal tersebut menjadi pendukung banyaknya penelitian mengenai pemanfaatan herbal sebagai *feed additive* alami bagi ternak. Kunyit (*Curcuma domestica* Val.), jintan hitam (*Nigella sativa*), dan binalong (*Anredera cordifolia*) memiliki banyak kandungan zat metabolit sekunder yang menyebabkan ketiga herbal tersebut berpotensi untuk dimanfaatkan sebagai *feed additive* pada ternak. Penulisan artikel ini menggunakan metode studi literatur yang bersumber dari berbagai jurnal nasional maupun internasional yang berjumlah 29 sumber literatur. Efek antibakteri, antihelmintik, antiparasit, antinfamas, analgesik, dan gastroprotektif telah banyak ditunjukkan dari hasil penelitian baik pada objek ternak, yang memberikan pengaruh baik terhadap status kesehatan maupun performa produksi ternak. Cara ekstraksi maupun perlakuan untuk mendapatkan zat metabolit sekunder sangat mempengaruhi jenis dan jumlah zat metabolit sekunder yang didapatkan.

Kata kunci: *Feed Additive* alami, *Curcuma domestica* Val., *Nigella sativa*, *Anredera cordifolia*, Zat metabolit sekunder

Abstract

The prohibition on the use of antibiotic growth promoters (AGP) as feed additives to increase livestock productivity has resulted in much research being carried out to find substitutes for the use of AGP. The secondary metabolites contained in herbs have the potential to increase livestock productivity without causing negative effects on the digestive tract. This has become the driving force for a lot of research regarding the use of herbs as natural feed additives for livestock. Turmeric (*Curcuma domestica* Val.), black cumin (*Nigella sativa*), and binalong (*Anredera cordifolia*) contain many secondary metabolites which make these three herbs have the potential to be used as feed additives for livestock. This article was written using a literature study method sourced from various national and international journals totaling 29 literature sources. Antibacterial, anthelmintic, antiparasitic, anti-inflammatory, analgesic and gastroprotective effects have been shown in many studies on livestock, which have a positive influence on the health status and production performance of livestock. The method of extraction and treatment to obtain secondary metabolites greatly influences the type and amount of secondary metabolites obtained.

Keywords: Natural Feed Additive, *Curcuma domestica* Val., *Nigella sativa*, *Anredera cordifolia*, Secondary metabolite substances