DAFTAR PUSTAKA

AAS. 1980. Analytical Methods for Atomic-Absorption Spectrophotometry. Perkin-Elmer

Adnan, K.S. 2018. Mineral Ruminansia Penuhi Kebutuhannya Cegah Masalah. http://dokterternak.com/2018/03/29/mineral-ruminansia-sapi-cegah-sapi-ambruk-reproduksi-siwab-ketosis-asidosis/. Diunduh tanggal 25 September 2018

Almatsier, S. 2004. Prinsip Dasar Ilmu Gizi. PT Gramedia Pustaka Umum. Jakarta. Hal 97-125.

Asif, M.M., Z.U. Rahman, M. Arif, I.U. Haq, and I. Javed. 1996. Trace elemen and electrolyte concentration in defferent physiological state of sahiwal cattle. J.of Islamic Academic of Sci. 9:125–128.Corporation, Norwalk, Connecticut, USA.

Badan Pusat Statistik Provinsi Sumatera Barat. 2013. Hasil Sensus Pertanian 2013 Provinsi Sumatera Barat. Badan Pusat Satatistik Provinsi Sumatera Barat, Padang.

Balai Pengujian Mutu Pakan Ternak. 2011. Buku Hasil Uji Bahan Pakan, (ID): BPMPT. Bekasi.

Beard, J.L., H. Dawson, and D.J. Pinero. 1996. Iron metabolism: a comprehensive review. Nutr. Rev. 54(10):295−317.

Brown, J.X., P.D. Buckest, and M.W. Resnick. 2004. Identification of small molecule inhibitors that distinguish between nontransferrin bound iron uptake and tranferrinmediated iron transport. Chem. Biol. 11:407−416.

Chaudhary, S. and A. Singh. 2004. Role of Nutrition in Reproduction: A review. Intas Polivet, 5:229-234.

Chung, J., D.J. Haile, and M. Wessling-Resnick. 2004. Ferroportin-1 in not epregulated in copper-deficient mice. J. Nutr. 134:517-521.

Corrah, L. 1996. Trace mineral requirement of grazing cattle. Anim. Feed. Sci Tech. 59:61-70.

Corah, R.L. and S. Ives. 1991. The effects of essential trace minerals on reproduction in beef cattle. The Veterinary Clinics of North America: Food Animal Practice. 7:41-57.

Cunningham JD. 1997. Text Book of Veterinary Physiology. Philadelphia (US): WB Saunders.

Darmono. 2007. Penyakit defisiensi mineral pada ternak ruminansia dan upaya pencegahannya. Jurnal Litbang Pertanian, 26(3):104-108.

Darmono. 1995. Logam Dalam Sistem Biologi Makhluk Hidup. Penerbit Universitas Indonesia (UI Press). hlm. 55−56, 65−69.

Darmono dan S. Bahri.1989. Status Beberapa Mineral Makro (Na, K, Ca, Mg dan P) Dalam Saliva Dan Serum Sapi Di Kalimantan Selatan. *Penyakit Hewan* 22 (40):138-142.

Dewantari, N.M. 2013. Peranan gizi dalam kesehatan reproduksi. Jurnal Skala Husada, 10(2):219-224.

Dinas Peternakan Provinsi Sumatera Barat. 2013. Statistik Peternakan Propinsi Sumatera Barat. Padang.

Ewing, G.W. 1990. Analytical Instrumentation Handbook, 1st Edition, Marcel Dekker Inc, New York.

Găvan C, Retea C, Motorga V. 2010. Changes in the Hematological Profile of Holstein Primiparous in Periparturient Period and in Early to Mid Lactation. Scientific Papers: Animal Sciences and Biotechnologies, 43 (2): 244-246.

Hadi, P.U., A. Thahar, N. Ilham, and B. Winarso. 2002. A progress report summary: analytic framework to facilitate development of Indonesia's beef industry. Paper Presented at the "Routine Seminar". Center for Agro Socio Economic Research and Development. 8 Maret 2002. 24 p. Bogor.

Haili L., Y. Qi, L. Qinfan, Z. Guoping, Y. Xiaomei, Z. Yafeng, Y. Lizhen, & W. Yongwei. 2008. Research on formula processing technology of beef cattle complex nutrition block. Heilongjiang Anim. Husbandry Vet. Med. 7: 56-59.

Jain, N.C. 1998. Essentials of Veterinary Hematology. 2nd ed. Lea & Febiger, Philadelphia.

Keen, C.L. and S. Zidenberg-Cheer. 1990. Manganese. Present knowledge in nutrition. M.L. Brown ed. International life Science Institute, Washington, D.C.

Khalil. 2003. Analisis Rendemen dan Kandungan Mineral Cangkang Pensi dan Siput Dari Berbagai Habitat Air Tawar Di Sumatera Barat. Jurnal Peternakan Dan Lingkungan, Vol. 9: 35-41.

Khalil. 2004. Pengaruh penggilingan dan pembakaran terhadap nilai nutrisi kulit pensi sebagai sumber utama mineral kalsium dalam ransum ayam broiler. Jurnal Peternakan dan Lingkungan, Vol. 10, No. 1:35-42.

Khalil. 2005. Peningkatan nilai nutrisi cangkang siput sebagai sumber mineral pada ransum ayam buras periode grower. Prosiding Seminar Nasional penerapan agroinovasi mendukung ketahanan pangan dan agribisnis. Satu dasawarsa BPTP Sumatera Barat, Sukarami, Solok, 10-11 Agustus 2004.

Khalil, 2006. Respons ayam kampung terhadap panambahan kalsium asal siput (*Lymnae sp*) dan kerang (*Corbiculla molktiana*) pada kondisi ransum miskin fospor. Media Peternakan, Vol. 29(3):169-175.

Khalil dan S. Anwar. 2007. Studi komposisi mineral tepung batu Bukit Kamang sebagai bahan pakan mineral. Med. Pet. 30 (1): 18-25.

Khalil dan S. Awar, 2008. Limestone of Bukit Kamang as a Calcium Source for Laying Hens. Jurnal Pengembangan Peternakan Tropis, 34(3):174-180.

Khalil. 2010. Penggunaan Formula Mineral Lokal Dalam Ransum Ayam Petelur. Jurnal Peternakan dan Lingkungan, Vol. 33, No. 2.

Khalil. 2013.Evaluation of availability and quality of forages at Limau Manis Campus, Andalas University.Padang, West Sumatra.Proc.The 3rd AINI Int. Seminar.September 24-25, 2013. Padang West Sumatra.

Khalil, M. N. Lestari, P. Sardilla and Hermon. 2015. The use of local mineral formulas as a feed block supplement for beef cattle fed on wild forages.Media Peternakan, 38(1):34-41.

Khalil, M. N. Lestari, P. Sardilla and Hermon. 2015. The use of local mineral formulas as a feed block supplement for beef cattle fed on wild forages.Media Peternakan, 38(1):34-41.

Khalil, Reswati, Y.K. Fitri, Indahwati and Yuherman, 2016a. Seasonal forage availability, nutrient composition and mineral concentration of imported breed cattle at the Padang Mangatas Breeding Center for Beef Cattle in West Sumatra, Indonesia. Pak. J. Nutr. 15(12):1034-1041.

Khalil, Reswati, Y.K. Fitri, Indahwati and Yuherman, 2016b. Blood Mineral profiles of Simmental breed cattle with different feeding systems and reproduction statues in Payakumbuh region of West Sumatra, Indonesia. Proceeding of the First International Conference Technology nn Biosciences and Social Sciences, 17-18 November 2016, Universitas Andalas, Padang.

Khalil, Reswati, Ferawati, Y.F. Kurnia and F. Agustin 2017. Studies on physical characteristics, mineral composition, and nutritive value of bone meal and bone char produced from inedible cow bones. Pak. J. of Nutr.16 (6):426-434, 2017.

Khillare, K.P., S.K. Sahatpure, K. Vanlalpeka, R.S. Bombatkar, and G.S. Tijare. 2007. Trace minerals and reproduction in animals. Intas. Polivet. 8(2):308-314.

Kumar, S., 2003. Management of infertility due to mineral deficiency in dairy animals. In: Proceedings of ICAR summer school on "Advance diagnostic techniques and therapeutic approaches to metabolic and deficiency diseases in dairy animals". Held at IVRI, Izatnagar, UP (15th July to 4th Aug.). pp. 128-137 Chaudhary, S. and A. Singh, 2004: Role of nutrition in reproduction: a review. Intas Polivet, 5: 229-234.

Kumar, S., P.A. Kumar, W.A. Abdul Razzaque, and D.K. Dwivedi. 2011. Importance of micro minerals in reproductive performance of livestock. Vet. World, 4(5):230-233.

McDonald, P., R.A. Edwards, and J.F.D. Greenhalgh. 2002. Animal Nutrition. 6th Edition. Longman. New York.

McDowell, L., R.J.H. Conrad, G.L. Ellis, and J.K. Loosli. 1985. Mineral for Grazing Ruminant in Tropical Regions. Dept. of Anim. Sci. centre for Tropical Agric. University of Florida, Gainesville.

McGowan M.R., K. McCosker, G. Fordyce, D. Smith D, P. K.O'Rourke, N. Perkins, T. Barnes, L. Marquet L, J. Morton, T. Newsome, D. Menzies, B.M. Burns and S. Jephcott, 2014. North Australian beef fertility project: Cash Cow. Final Report, Project B.NBP.0382, Meat and Livestock Australia, Sydney. http://www.mla.com.au/Research-and-development/Finalreport-details?projectid=15462.

Nawito, M.F., K.G.M. Mahmoud, M.M.M. Kandiel, Y.F. Ahmed, & A.S.A. Sosa. 2015. Effect of reproductive status on body condition score, progesterone concentration and trace minerals in sheep and goats reared in South Sinai, Egypt. African Journal of Biotechnology, 14(43):3001-3005.

NRC. 1996. Nutrient Requirment of Beef Cattle (Sevent Ed).National Academy Press, Washington, D.C.

Nugroho, C.P. 2008. Agribisnis Ternak Ruminansia Jilid 1 untuk SMK. Direktorat Pembinaan Sekolah Menengah Kejuruan, Direktorat Jenderal. Jakarta.

O'Dell, L. 1990. In: present knowledge in nutrition. M.L. Brown, Ed., International life Sciences Institute Foundation. Washington DC. Pp. 261-267.

Onasunya.G.O.,F. Oke,T.M. Sanni and A.I.Muhammad. 2015. Parameters influencing haematological,serum and bio-chemical references in livestock animals under different managemen system. Open J.of Vet.Medicine (5):181-189.

Osheim, D.L. 1983. Atomic absorption determination of serum cupper, collaborative study. J. Assoc. Anal. Chem. 66(5): 1.140− 1.142.

Price SA, Wilson LM. 2006. Patophysiology Clinical Conceps of Disease Processes. Ed ke-4. Jakarta (ID): Penerbit Buku Kedokteran EGC.

Piliang, W.G. 2002. Nutrisi Vitamin. Volume I. Edisi ke-5. Institut Pertanian Bogor. Press, Bogor. Hal: 50-53.

Reswati dan Khalil. 2015. Performans sapi siap potong di rumah potong hewan Payakumbuh. Prosiding Seminar Nasional: Ketahanan pangan dan pertanian berkelanjutan: peluang dan tantangan implementasi teknologi dalam perspektif nasional. Polteknik Pertanian Negeri Payakumbuh. Payakumbuh. Oktober 2015.

Sharma, M.C., S. Raju, C. Joshi, H. Kaur, and V.P. Varshney. 2003. Studies on serum micromineral, hormone, and vitamin profile and its effect on production and therapeutic management of bufalloes in Haryana State of India. Asian Aust. J. Anim. Sci. 16(4):519-528.

Smith. O.B. & O.O. Akinbamijo. 2000. Micronutrients and reproduction in farm animals. Anim. Reprod. Sci., 60-61 : 549-560

Sonjaya, H. 2012. Dasar Fisiologi Ternak. IPB Press. Bogor.

Spears, J.W. 2014. Trace minerals and reproduction in ruminants. Salt institute newsletter (STM) first quarter.

Steel, R.G.D., dan J.H. Torrie. 1993. Prinsip dan Prosedur Statistik (Pendekatan Biometrik) Penerjemah B. Sumantri. Gramedia Pustaka Utama, Jakarta.

Steel. R.G.D, J.H. Torrie & J.H. Dicky**.** 1997. Principles and Procedures of Statistics: A Biometritrical Approach. 3rd Ed. McGraw-Hill Book Co. Inc., New York, USA.

Sugeng, Y.B. 1998. Beternak Sapi Potong. Penebar Swadaya, Jakarta.

Suryadinata, A. 2017. Analisa kandungan mineral hijauan dan darah dikaitkan dengan performa reproduksi sapi simental di wilayah PSayakumbuh (skripsi). Payakumbuh. fakultas peternakan. Universitas Andalas kampus II Payakumbuh.

Susilorini, E.T. 2008. Budi Daya 22 Ternak Potensial. Penebar Swadaya, Jakarta.

Thalib, A. B. Haryanto, H . Hamid, D. Suhfrman Dan Mulyanl. 2001b. Pengaruh - Kombinasi Defaunator Dan Probiotik Terhadap Ekosistem Rumen Dan Performan Ternak Domba . Jitv 6 : 83-88 .

Weiss DJ, Wardrop KJ. 2010. Schalm's Veterinary Hematology. State Avenue (US): Blackwell Pub.

Widayati, T.W. dan E.K. Suawa, 2007. Pengembangan Agribisnis Peternakan Sapi Potong Melalui Perbaikan Manajemen Mikro Di Kabupaten Sarmi Papua. Prosiding. Seminar Nasional Teknologi Peternakan dan Veteriner: 346-352.

Widhyari, S.D. 2012. Peran dan dampak defisiensi zinc (Zn) terhadap system tanggap kebal. Wartazoa. 22(3):141-148.

Yasothai, Y., 2014. Importance of minerals on reproduction in dairy cattle. Int. J. of Sci., Environment and Technology, 3 (6): 2051 – 2057.

Yuherman, Rewati, Yulianti Fitri Kurnia, Indahwati and Khalil. 2017. Hematological And Mineral Profiles Of Reproducktive Failure Of Exotic Breed Cattle In Payakumbuh, West Sumatra,Indonesia,Pak.J.Biol.Sci.,20:390-396.