DAFTAR PUSTAKA

Abbitt B, Ball L, Kitto GP, Sitzman CG, Wilgenburg B, RaimLW, et al. (1978). Effect of three methods of palpation for pregnancy diagnosis per rectum on embryonic and fetal attrition in cows. J. Am Vet Med Assoc, 1978;73:973–7.

Abdelghafar, R. M., Ibrahim, M. T., Abdelrahim, S. M., & Ahmed, B. (2010). Sensitivity and Specifocity of Real-Time Ultrasonography for Pregnancy Diagnosis and Litter Size Determination in Saanen Goats (Capra hircus). College of Veterinary Medicine, Sudan University of Science and Technology.

Achyadi, K. R. (2009). Deteksi Berahi pada Ternak Sapi. Tesis MS Pascasarjana IPB. Bogor.

Afiati, F., Herdis, & Said, S. (2013). Pembibitan Ternak dengan Inseminasi Buatan. Penebar Swadaya, Jakarta.

Afriani, T., Rahim, F., Mundana, M., Rahmat, A., Jaswandi, & Farhana, A. (2020). The Effect of GnRH on reproductive performance and progesterone hormone levels in buffalo in West Sumatra. J Trit, 11(2), 1-8. DOI. https://doi.org/10.47687/jt.v11i2.110

Ali A, Fahmy S. (2008). Ultrasonographic fetometry and determination of fetal sex in buffaloes (*Bubalus bubalis*). Anim. Reprod. Sci. 106(1-2), 90-99.

Al-Sariy, S. M., Al-Yasiri, E. A., & Al-Hamedawi, T. M. (2020). Clinical and Ultrasonic Study for Detection of Pregnancy in Iraqi Buffaloes. The Iraqi Journal of Veterinary Medicine, 44(1), 57-62.

Arshad, B., Shabir, A., Sagheer, M., Arshad, U., Yousuf, M. R., & Riaz, A. (2022). Validation of pregnancy associated glycoproteins-based ELISA kits to determine early pregnancy status in lactating Nili-Ravi buffaloes. Reproduction in domestic animal. [Abstract] DOI. https://doi.org/10.1111/rda.14202

Arum, W. P., Siregar, T. N., & Melia, J. (2013). Efek Pemberian Ekstrak Hipofisa Sapi Terhadap Respons Superovulasi Sapi Aceh. Jurnal Medika Veterina, 7(2), 71-74, Banda Aceh.

Aswathnarayanappa, V., Gururaj, P., Banuvalli, N., & Harisha, M. (2019). Utility of Seed Germination Inhibition Test for Early Pregnancy Diagnosis in Buffaloes. International Journal of Current Microbiology and Applied Sciences. DOI. https://doi.org/10.20546/ijcmas.2019.806.176

Aswathnarayanappa, V., Gururaj, P., Banuvalli, N., & Harisha, M. (2019). Utility of Seed Germination Inhibition Test for Early Pregnancy Diagnosis in Buffaloes. International Journal of Current Microbiology and Applied Sciences. https://doi.org/10.20546/ijcmas.2019.806.176

Atabay, E., Maylem, E., Encarnacion, E., & Salazar, R. (2020). Enhancing prostaglandin-based estrus synchronization protocol for artificial insemination in water buffaloes. Buffalo Bulletin, 39(1), 53-60. [Online] Available at: https://kuojs.lib.ku.ac.th/index.php/BufBu/article/view/1572

Ball, P. J., & Peters, A. (2004). Reproduction in Cattle. Third Edition, Oxford: Blackwell Publishing.

Bartolome, J., Hernandez, J., Landaeta, A., Kelleman, A., Sheerin, P., Risco, C. A., & Archbald, L. F. (2002). The effect of interval from day of administration of bovine somatotropin (bST) to synchronization of ovulation and timed-insemination on conception rate of dairy cows with and without ovarian cysts. Theriogenology, 57(4), 1293-1301.

Batra, K., Nanda, T., Kumar, A., Kumar, V., Gopal, G. J., & Maan, S. (2019). Molecular cloning and expression kinetics of serum interferon stimulated gene for early pregnancy detection. Indian J. Anim. Res., 53(9), 1129-1134.

Bethapudi, S., Naidu, G., & Srinivas, M. (2015). Punyakoti test: A seed germination inhibition test for early pregnancy diagnosis in graded Murrah buffaloes. Journal of Animal Research, 5(4), 949-952. DOI. https://doi.org/10.5958/2277-940X.2015.00138.8

Bhinake, A. U., & Kawitkar, S. B. (2004). Handbook for Veterinary Clinicians. Buffalo bulletin, 23, 4-9.

Brito, L. F. C., Satrapa, R., Marson, E. P., & Kastelic, J. P. (2002). Efficacy of PGF2α to synchronize estrus in water buffalo cows (Bubalus bubails) is dependent upon plasma progesterone concentration, corpus luteum size and ovarian follicular status before treatment. Animal Reproduction Science, 73, 23-35.

Broaddus, B., & de-Vries, A. (2005). A Comparison of Methods for Early Pregnancy. Proceeding 2nd Florida Road Show. Florida: University of Florida.

Chadda, A., & Chand Meena, D. (2021). Methods of estrus detection in cattle and buffaloes. WwwVigyanvartaCom, 2(10), 71-75. [Online] Available from: www.vigyanvarta.com.

Chaudhari, A., Haque, N., Jamnesha, N., Bhalakiya, N., Patel, G., Madhavatar, M. P., Patel, Dhaval, & Patel, Pankaj. (2018). Synchronization of estrus: a reproductive management tool in veterinary practice. Int.J.Curr.Microbiol.App.Sci., 7, 1511-1519. [Online] Available at: http://www.ijcmas.com

Damayanti, T. (2006). Metode Deteksi Kebuntingan. Universitas Padjajaran, Bandung.

De Araujo Berber, R. C., Madureira, E. H., & Baruselli, P. S. (2002). Comparison of two Ovsynch protocols (GnRH versus LH) for fixed-timed insemination in buffalo (Bubalus bubalis). Theriogenology, 57, 1421-1430.

De Rensis, F., & López-Gatius, F. (2007). Protocols for synchronizing estrus and ovulation in buffalo (Bubalus bubalis): A review. Theriogenology, 67(2), 209-216. DOI. https://doi.org/10.1016/j.theriogenology.2006.09.039

Dewi, R. R., Wahyuningsih, & Widayati, D. T. (2011). The estrus response of ettawa crossbreed with body condition score (BCS) 2 and 3 using controlled internal drug release in short period combined with PGF2á injection. Journal of Veterinary Medicine, 5(1), 11-16. DOI. https://doi.org/10.21157/j.ked.hewan.v5i1.418

Dilrukshi, H.N.N, Perera, A.N.F. (2009). Evaluation of An ancient technique to diagnose the pregnancy in cattle using urine. Wayamba Journal of Animal Science - ISSN: 2333-9721; P6-P8. https://www.pdfio.com/paper/2475792

Dilrukshi HNN, Perera ANF (2012). Evaluation of an ancient technique to diagnose the pregnancy in cattle using urine. Wayamba J. Anim. Sci. 1252245657. 6–8. Available from: http://www.wayambajournal.com

Drost M. (2007). Bubaline versus bovine reproduction. Theriogenology, 68(3), 447-449.

Efendi, M., Siregar, T., Hamdan, H., Dasrul, D., Thasmi, C., Razali, R., Sayuti, A., & Panjaitan, B. (2015). Conception Rates of Local Cows after Induction with Ovsynch Protocols. J Med Vet, 9(2), 159-162. [Online] Available at: https://doi.org/10.21157/j.med.vet..v9i2.7804

El-Zarkouny, S. Z., Cartmill, J. A., Hensley, B. A., & Stevenson, J. S. (2000). Progesterone increases pregnancy rates and embryo survival in lactating dairy cows. Journal Dairy Science, 83(1), 217 (Abstr.).

Estrella CA, Kind KL, Derks A, Xiang R, Faulkner N, Mohrdick M. (2017). Remodelling of the bovine placenta: Comprehensive morphological and histomorphological characterization at the late embryonic and early accelerated fetal growth stages. Placenta, 55, 37-46.

Farrag, B. (2019). Productive Characteristics and Reproductive Responses to Estrus synchronization and flushing in Abou-Delik ewes grazing in arid rangelands in Halaieb-Shalateen-Abouramad triangle of Egypt. Journal of World's Poultry Research, 9(3), 201–10. DOI. https://dx.doi.org/10.36380/scil.2019.wvj26

Feradis. (2010). Bioteknologi Reproduksi pada Ternak. Alfabeta, Bandung.

Frandson, R. D., Wilke, W. L., & Fails, A. D. (2009). Anatomy and Physiology of Farm Animals. Wiley Blackwell, USA.

Frastantie, D. (2017). Deteksi Kebuntingan Dini Pada Sapi Perah Dengan Pemeriksaan USG dan Analisis Hormon Steroid. [Tesis]. Sekolah PascaSarjana IPB. Bogor. [Online] Available from: http://repository.ipb.ac.id/jspui/bitstream/123456789/87855/1/2017dfr.pdf.

Frastantie, Dilla & Agil, Muhammad & Tumbelaka, Ligaya. (2019). Deteksi Kebuntingan Dini pada Sapi Perah dengan Pemeriksaan Ultrasnography (USG) dan Analisis Hormon Steroid. Acta VETERINARIA Indonesiana, 7, 9-16. DOI. https://doi.org/10.29244/avi.7.2.9-16.

Gargiulo, G.D., Shephard, R.W., Tapson, J., McEwan, A.L., Bifulco, P., Cesarelli, M., Jin, C., Al-Ani, A., Wang, N., and Schaik, A.V. (2012). Pregnancy detection and monitoring in cattle via combined foetus electrocardiogram and phonocardiogram signal processing. BMC Veterinary Research, 8(1640), 1-10.

Gordon, I. (2017). Reproductive Technologies in Farm Animals, 2nd ed. Croydon: CPI Group (UK) Ltd. [Online] Available at: https://vetbooks.ir/reproductive-technologies-in-farm-animals-2nd-edition/

Gunawan, H., Rodiallah, M., & Yendraliza. (2020). The pregnancy rate of Swamp buffalo (Bubalus bubalis) on different synchronizing. Journal of Animal Science, 20(1), 38-45. DOI. https://doi.org/10.24198/jit.v20i1.28582

Gunawan, M., Kaiin, E. M., Said, S., & Tappa, B. (2006). Evaluasi semen beku kerbau Toraya (Bubalus bubalis) di Cibinong. Seminar Bioteknologi LIPI. Bogor 12-14 April 2006.

Hafez, E. S. E. (2000). Reproduction in Farm Animals. Ed 7th. Lippincott William & Wilkins. A Wolter Kluwer Company. Philadelphia.

Hafez, E. S. E., & Hafez, B. (2013). Reproduction in Farm Animals. Philadelphia: Lippincott William & Wilkins. A Wolter Kluwer Company. [Online] Available at: https://www.wiley.com

Haider, M. S., Hassan, M., Khan, A. S., Husnain, A., Bilal, M., & Pursley, J. R. (2015). Effect of timing of insemination after CIDR removal with or without GnRH on pregnancy rates in Nili-Ravi buffalo. Anim Reprod Sci, 163, 24-29. DOI. http://dx.doi.org/10.1016/j.anireprosci.2015.09.010

Hall, J. B., Whittier, W. D., Jims, M., Marks, C., & David, C. (2009). GnRH Based estrous synchronization systems. Virginia Cooperative Extension. Public. 013-400.

Hasinah, H., & Handiwirawan. (2006). Keragaman Genetic Ternak Kerbau di Indonesia. Prosiding Lokakarya Nasional Usaha Ternak Kerbau Mendukung Program Kecukupan Daging Sapi. Pusat Penelitian dan Pengembangan Peternakan. Bogor: 89-95.

Hoque, Md. N., Talukder, A. K., Akter, M., & Shamsuddin, M. (2014). Evaluation of ovsynch protocols for timed artificial insemination in water buffaloes in Bangladesh. Turk. J. Vet. Anim. Sci, 38, 418-424.

Hussain, Z. (2016). Pregnancy diagnosis in dairy animals through inhibition of seed germination. Journal of Applied Agriculture and Biotechnology. DOI. https://jaab.uaar.edu.pk/index.php/jaab/article/view/31

Ihsan, M. N. (2010). Ilmu Reproduksi Ternak Dasar. Universitas Brawijaya Press. Malang.

Ilawati, R. W. (2009). Efektivitas pengguunaan berbagai volume asam sulfat pekat (H_2SO_4) untuk menguji kandungan estrogen dalam urine sapi Brahman cross bunting. Skripsi. Sekolah Tinggi Peternakan, Sijunjung.

Illawati, R.W. (2014). Efektivitas dan Akurasi Penggunaan Berbagai Dosis Asam Sulfat (H2SO4) Pekat Dibandingkan Palpasi Per Rektal terhadap Uji Kebuntingan Ternak Sapi. Thesis. Program Studi Ilmu Peternakan Program Pascasarjana Universitas Andalas. Padang.

Intawicha, P., Wichapon, J., Klamrak, M., Dongpaleethun, C., & Ju, J. C. (2022). Effects of breeding season and estrus synchronization protocols on the fertility of anestrus swamp buffaloes (Bubalus Bubalis). Livestock Science, 264. DOI. https://doi.org/10.1016/j.livsci.2022.105043

Irmaylin, P. E. S., & Madi, S. (2011). The response of estrus onset and estrous duration of ongole offspring at the various parities after the injection of prostaglandin F2α (PGF2α) twice. Integrated Livestock Scientific Journal, 2(1), 41-49. DOI. http://dx.doi.org/10.23960/jipt.v2i1.p%25p.

Jainudeen, M. R., & Hafez, E. S. E. (2000). Pregnancy Diagnosis. Lippincoltt Williams and Wilkins. Philadelphia.

Jerome A, Singh SK, Agarwal SK. (2013). Interaction analysis of buffalo pregnancy associated glycoprotein-1 in silico. Indian J Anim Sci.83(11), 1149-1154.

Kähn W, Volkmann D. (2004). Veterinary reproductive ultrasonography. Schlütersche.

Karen A M, Darwish S, Ramoun A, Tawfeek K, Van Hanh N, de Sousa NM, Beckers JF. (2011). Accuracy of transrectal palpation for early pregnancy diagnosis in Egyptian buffaloes. Trop Anim Health Prod. 43(1), 5-7.

Kirkpatrick JF, Bancroft K, Kincy V. (1992). Pregnancy and ovulation detection in bison (Bison bison) assessed by means of urinary and fecal steroids. J Wildl Dis. 28(4), 590-597.

Koibur, J. F. (2005). Evaluasi tingkat keberhasilan pelaksanaan program inseminasi buatan pada sapi bali di Kabupaten Jayapura. Buletin Peternak Vol. 29 no 3.

Koyama, K., Koyama, T., Matsui, Y., Sugimoto, M., Kusakari, N., Osaka, I., Ikuo, & Nagano, M. (2017). Characteristics of dairy cows with a pronounced reduction in first milk yield after estrus onset. Japanese Journal of Veterinary Research, 65, 55-63. DOI. https://doi.org/10.14943/jjvr.65.2.55.

Krishna, S. & Veena, T. (2009). Evaluation of seed germination test for early detection of pregnancy in cows. Indian Journal of Animal Research, 43: 37-40. http://arccarticles.s3.amazonaws.com

Kuru, M., Kükürt, A., Oral, H., & Öğün, M. (2018). Clinical use of progesterone and its relation to oxidative stress in ruminants. Drevenšek G, editor. ; Chapter 13. Intech Open. DOI. https://doi.org/10.5772/intechopen.73311

Kuru, M., Oral, H., Çolak, A., Gürbulak, K., & Bekyürek, T. (2017). The effect of hCG or GnRH administration on pregnancy rates in Holstein heifers when used to induce ovulation as part of a 5-day Co-Synch + Progesterone-Releasing Intravaginal Device protocol. Revue de médecine vétérinaire, 168, 38-45. [Online] Available at: https://www.researchgate.net/publication/316918167

Lalkhen, A.G., and McCluskey, A. (2008). Clinical tests: sensitivity and specificity. Continuing Education in Anaesthesia, Critical and pain. 8(6), 221-223.

Lamb, C., & Fricke, P. M. (2004). Ultrasound-Early Pregnancy Diagnosis and Fetal Sexing. Proceeding, Applied Reproductive Strategies in Beef Cattle, September 1 and 2, 2004. North Platte, Nebraska.

Lauderdale, J. W. (2009). ASAS Centennial Paper: Contributions in the Journal of Animal Science to the development of protocols for breeding management of cattle through synchronization of estrus and ovulation. J Anim Sci, 87(2), 801–812. DOI. https://doi.org/10.2527/jas.2008-1407

Lázničková, I., T. Fedorova, M. Stolcova, & A. Kubatova. (2020). Urinary reproductive hormones influence seed germination within diluted urine of heifers: alternative pregnancy diagnostic method. J.Anim.Plant Sci, 46(1), 8090–8099. DOI. https://doi.org/10.35759/JAnmPlSci.v46-1.3

Lestari, D. T. (2006). Metode Deteksi Kebuntingan Pada Ternak Sapi. Fakultas Peternakan. Universitas Padjajaran.

Lestari, D. T. (2014). Profil kualitas semen sergar sapi pejantan Limousin dengan umur yang berbeda di Balai Inseminasi Buatan Lembang. Jawa Barat.

Litbang Deptan. (2011). Temu Aplikasi Paket Teknologi Terapan. Badan Penelitian dan Pengembangan Pertanian, Jakarta.

Naseer, Z., Ahmad, E., Singh, J., & Ahmad, N. (2011). Fertility Following CIDR Based Synchronization Regimens in Anoestrous Nili-Ravi Buffaloes. Reprod Domest Anim, 46(5), 814-817. DOI. https://doi.org/10.1111/j.1439-0531.2010.01746.x

Nirmala, G. C., Veena, T., Jyothi, M. S., & Suchitra, B. R. (2008). Effect of estrogen dan progesterone and seed germination. Vol.I (8), 241-242. Veterinary World.

Paisley LG, Mickelson WD, Trost OL. (1978). A survey of the incidence of prenatal mortality in cattle following pregnancy diagnosis by rectal palpation. Theriogenology. 9, 481–91.

Partodiharjo, S. (1992). Ilmu Reproduksi Hewan. Cetakan ke-3. Penerbit Mutiara Sumber Widia, Jakarta.

Pawshe CH, Purohit GN. (2013). Approaches for diagnosis of pregnancy in female buffaloes. Bubaline Theriogenology. IVIS, Ithaca NY A. 5708:0613 [Online] Available from: http://www.ivis.org.

Pereira, R., Caixeta, L., Giordano, J., Guard, C., & Bicalho, R. (2013). Reproductive performance of diary cows resynchronized after pregnancy diagnosis at 31 after artificial insemination (AI) compared with resyncronization at 31 after AI with pregnancy diagnosis at 38 after AI. Journal of Dairy Science, 96, 7630-7639.

Perera, B. M. A. O. (2011). Reproductive cycles of buffalo. Anim Reprod Sci, 124(3-4), 194-199. DOI. https://doi.org/10.1016/j.anireprosci.2010.08.022.

Perry, G. A., Smith, M.F., Lucy, M.C., Green, J. A., Parks, T.E., MacNeil, M.D., Roberts, A.J. Geary, T.W. (2005). Proceedings of the National Academy of Sciences of the United States of America. 102(14). 5268-5273.

Perumal P. (2014). Pregnancy diagnosis by seed germination inhibition test in Mithun (Bos frontalis) cows. Indian J. Appl. Res, 4(1): 531-532. https://www.worldwidejournals.com

Prasdini, W. A., Rahayu, S., & Djati, M. (2015). Determination of the success uterine involution in Friesian Holstein dairy cow based estrogen levels after multiple injection of selenium-vitamin E. Veterinary Journal, 16(3), 351-356. [Online] Available at: https://ojs.unud.ac.id.

Purohit, G. N., Kumar, S., & Kumar, D. (2019). Electronic Measurements Of Vaginal Electric Resistance (Ver): Current Status For Estrus Detection, Timing Insemination And Pregnancy Diagnosis In Cattle And Buffalo. Ruminant Science, 8(2), 145-152.

Purwaningsih, O. (2001). A study on physiological and biochemcal properties of rambutan seeds treates with ABA and GA3 in storage. Ilmu Pertanian, 8(2), 66–75. DOI. https://doi.org/10.22146/ipas.59975.

Purwasih, R., Setiatin, E. T., & Samsudewa, D. (2014). The effect of anredera cordifolia (Ten.) steenis supplementation on uterine involution process evaluated by oestrus post partum behavior and ferning. J Indones Trop Anim Agric, 39(1), 17–22. DOI. https://doi.org/10.14710/jitaa.39.1.17-22.

Putro, P. P. (2008). Dinamika perkembangan folikel dominan dan korpus luteum setelah sinkronisasi estrus pada sapi peranakan Friesian Holstein. Disertasi S3. Sekolah Pascasarjana Universitas Gadjah Mada. Yogyakarta.

Rahayu, S. (2003). Efektivitas CIDR-B plus kapsul cidirol terhadap persentase berahi dan kebuntingan pada kerbau lokal. Fakultas Kedokteran Hewan Universitas Syiah Kuala, Banda Aceh.

Rahman, S. M., & Saha, S. S. (2020). Evaluation of three non-invasive pregnancy diagnosis tests (modified seed germination inhibition test, urine barium chloride test and milk copper sulphate test) in buffalo. Adv. Anim. Vet. Sci, 8(11), 1225-1231. DOI. http://dx.doi.org/10.17582/journal.aavs/2020/8.11.1225.1231

Ramli, M., Siregar, T. N., Thasmi, C. N., Dasrul, D., Wahyuni, S., & Sayuti, A. (2016). Relation between estrous intensity and estradiol concentration on local cattle during insemination. J Med Vet, 10(1), 27–30. DOI. https://doi.org/10.21157/j.med.vet.v10i1.4032

Riaz, U., Hassan, M., Khan, M. I., Farooq, U., Ali, F., Mehmood, K., Shaukat, A., Lashari, M. H., & Yang, L. (2022). Study on Various Luteal Characteristics Using Doppler Ultrasonography for Early Pregnancy Diagnosis in Nili-Ravi Buffaloes. BioMed research international, 3896068. https://doi.org/10.1155/2022/3896068

Romano, J. E., Thompson, J. A., Kraemer, D. C., Wethusin, M. E., Forrest, D. W., & Tomaszweski, M. A. (2006). Early pregnancy diagnosis by palpation per rectum: Influence on embryo/fetal viability in dairy cattle. Theriogenology, 67, 486-493.

Roza, E., Aritonang, S. N., Yellita, Y., Susanty, H., Rizqan, & Pratama, Y. E. (2022). Potential of dadiah kapau from Agam District, West Sumatra, Indonesia as a source of probiotics for health. Biodiversitas, 23(1), 564–571. DOI. https://doi.org/10.13057/biodiv/d230161.

Samira, H., Mohamed, M., & Kandielb, M. (2019). Accuracy of subjective evaluation of luteal blood flow by color Doppler ultrasonography for early diagnosis of pregnancy in Egyptian buffalo. Animal Reproduction Science, Volume 208 (abst). DOI. https://doi.org/10.1016/j.anireprosci.2019.106129.

Samsudewa, D., & Lukman, A. (2006). Penggunaan Deea gestdect Sebagai Alternatif Deteksi Kebuntingan Ternak. Universitas Diponegoro, Semarang.

Samsudewa, D., Lukman, A., & Sugiyanto, E. (2003). Identifikasi ion fenol dalam urine sebagai alternatif metode deteksi kebuntingan ternak. Prosiding Workshop Inovasi Teknologi Menghadapi AFTA 2004. Badan Penelitian dan Pengembangan Daerah Jawa Tengah, Semarang, 17–25.

Sayuti, A., Herrualfin, Armansyah, T., Syafruddin, & Siregar, Tongku N. (2011). Penentuan Waktu Terbaik Pada Pemeriksaan Kimia Urin Untuk Diagnosis Kebuntingan Pada Sapi Lokal. Jurnal Kedokteran Hewan, Vol.5 No.1

Schmidt S, Gerber D, Soley JT, Aire T A, Boos A. (2006). Histo-morphology of the uterus and early placenta of the African buffalo (Syncerus caffer) and comparative placentome morphology of the African buffalo and cattle (Bos taurus). Placenta, 27(8), 899-911.

Scully, S., Butler, S., Kelly, A., Evans, A., Lonergan, P., & Crowe, M. (2014). Early pregnancy diagnosis on days 18 to 21 postinsemination using high-resolution imaging in lactating dairy cows. Journal of Dairy Science, 97, 3542-3557.

Setyorini, Y. W., & Prihatno, S. A. (2022). Ovulation time and pregnancy rate in dairy cows that have repeat breeding after giving GnRH, vitamin AD3E, and povidone iodine infusion. J Sain Vet, 40(1), 97-103. DOI. https://doi.org/10.73480/jsv.03480.

Shahid, B., Khan, M. I., Andrabi, S. M. H., & Khan, M. N. (2021). Efficacy of estrus synchronization protocols in non-descript cattle of Azad Jammu and Kashmir during non-breeding and breeding seasons. Journal of Animal and Plant Sciences, 31(3), 657–664. DOI. https://doi.org/10.36899/JAPS.2021.3.0255.

Sianangama, P. C., Mtonga, M., Harrison, S. J., & Abigaba, R. (2022). The potential of seed germination inhibition test for early pregnancy detection and improved reproductive efficiency of cattle in Zambia. Online Journal of Animal and Feed Research, 12(6), 356-362. DOI. https://dx.doi.org/10.51227/ojafr.2022.47

Skalova, I., Fedorova, T., & Baranyiova, E. (2017). Seed germination test as a potential pregnancy diagnosis method for domestic cattle. Bulg. J. Agric. Sci, 23(3), 453–461. [Online] Available at: https://www.agrojournal.org.

Stevenson JS. (2001). Reproductive Management of Dairy Cows in High Milk-Producing Herds. J. Dairy Sci. 84(E. Suppl.), E128-E-143.

Suzana, R., Udin, Z., & Hendri. (2020). Penggunaan Metode Sinkronisasi Estrus terhadap Respon Estrus pada Kerbau Rawa (b.Bubalis carabauesis) di Kabupaten Padang Pariaman. Jurnal Peternakan Indonesia, Vol. 22 (2), 176-183. DOI. https://dx.doi.org/10.25077/jpi.22.2.176-183.2020.

Swamy, M. N., Ravikumar, C., & Kalmath, G. P. (2010). Seed germination inhibition test for pregnancy detection in Malnad Gidda cows. Vet.World, 3(3), 107-108. [Online] Available at: http://www.veterinaryworld.org.

Syaiful F.L., Jaswandi, M. Mundana, Ilham, N. Jamarun, Efrizal. 2023. Comparison of pregnant diagnosis in local buffalo with a seed germination inhibition test and rectal palpation. Advances in Animal and Veterinary Sciences, 11(11): 1869-1874. DOI: https://dx.doi.org/10.17582/journal.aavs/2023/11.11.1869.1874.

Syaiful, F. L., Afriani, T., & Purwati, E. (2019). Effect of FSH dosage on the number and quality of Pesisir cattle embryos. IOP Conference Series, 287, 012003. DOI. https://doi.org/10.1088/1755-1315/287/1/012003.

Syaiful, F.L. (2018). Optimalization of artificial insemination in beef cattle through early handling accuracy toward punyakoti test and rectal palpation. Journal of Embrio, 10(2), 41-48. [Online] Available at: https://ojs.unitas-pdg.ac.id/index.php/embrio.

Syaiful, F.L. 2017. Respon Berbagai Dosis Hormon FSH dan GnRH Terhadap Jumlah Corpus Luteum dan Embrio Sapi Pesisir. Prosiding Seminar Nasional Unpad, Bandung.

Syaiful, F.L., Lendrawati., T. Afriani. (2017). Accuracy of early detection in different seeds of plant to punyakoti test method. Unes Journal of Scientech Research, 2(2), 121-126. DOI. https://ojs.ekapsakti.org/index.php/UJSR/article/view/256.

Syaiful. 2020. Kerbau penghasil dadih sumberdaya genetik lokal unggulan Sumbar. Khazkita. 27 Juli 2020.

Syaiful. 2020. Tingkatkan mutu genetik kerbau lokal melalui Inseminasi Buatan. Koran Singgalang, 26 Oktober 2020.

Syaiful. 2023. IB Kerbau: Teknologi Reproduksi untuk Meningkatkan Kelahiran Anak Kerbau. Koran Singgalang, 2 November 2023.

Syaiful. 2023. Program Singkronisasi Kerbau Strategi Peningkatan Produktivitas Ternak dan Kesejahteraan Petani. Koran Singgalang, 13 November 2023.

Tamura, H., Takasaki, A., Miwa, I., Taniguchi, K., Maekawa, R., Asada, H., Taketani, T., Matsuoka, A., Yamagata, Y., Shimamura, K., Morioka, H., Ishikawa, H., Reiter, R. J., & Sugino, N. Oxidative stress impairs oocyte quality and melatonin protects oocytes from free radical damage and improves fertilization rate. Journal of pineal research, 44(3), 280–287. DOI. https://doi.org/10.1111/j.1600-079X.2007.00524.x.

Taponen, J. (2009). Fixed-time artificial insemination in beef cattle. Acta Vet Scand, 51, 48. DOI. https://doi.org/10.1186/1751-0147-51-48.

Tappa, B., Said, S., & Kainn, E. M. (2006). Kerbau Toraya (Bubalus bubalis) berkembang di luar habitat aslinya Tana Toraja. International Seminar on "The Artificial Reproductive Biotechnologies for Buffaloes" August 28-September 1, 2006 at Bogor, Indonesia.

Tjiptosumirat, T. (2009). Konsentrasi hormon progesteron untuk deteksi status reproduksi ternak sapi perah post partum. Jurnal Ilmiah Aplikasi Isotop dan Radiasi, 5(2), 103-117. DOI. http://dx.doi.org/10.17146/jair.2009.5.2.528.

Trevethan R. (2017). Sensitivity, specificity, and Predictive values: Foundation, Pliabilities, and Pitfalls in Research and Practice. Frontiers in Public Health, 5(307), 1-7.

Udin, Z., Hendri, & Masrizal. (2017). Fertility in south Pesisir cows following ovsynch and co-synch protocols of estrus synchronization in West Sumatra. International Journal on Advanced Science Engineering Information Technology, 7(6), 2100-2107.

Vaillancourt D, Bierschwal CJ, Ogwu D, Elmore RG, Martin CE, Sharp AJ, et al. (1979). Correlation between pregnancy diagnosis by membrane slip and embryonic mortality. J Am Vet Med Assoc, 175, 466–8.

Veena, G. T. (2006). Punyakoti test-an ancient Egyptian test (2200 BC) extended to diagnose pregnancy in cattle dalam traditional knowledge systems of India and Sri Lanka. Balasubramanian, A. V., & Nirmala Devi, T. D. (Eds). Proceeding of COMPAS Asian Regional Workshop, Bangalore 3-5 July 2006, Bangalore, India, pp. 91-93. DOI. https://doi.org/10.5958/2277-940X.2015.00158.8.

Veena, T., Narendranath, R., & P.V Sarma. (1997). The reliability of ancient Egyptian pregnancy diagnosis for cows/buffaloes. Advances in Contraceptives and Delivery Systems, 113, 49-53.

Veena. T., HN Dirlukshi, & ANF Perera. (2003). Evaluasi teknik kuno untuk mendiagnosis kebuntingan pada sapi menggunakan urin. J.Wayamba Anim. Sci, 06-08.

Wahyuningsih. (2014). Kecambah sebagai alat deteksi kebuntingan pada induk sapi. Bogor.

Warriach HM, Channa AA, Ahmad N. (2008). Effect of oestrus synchronization methods on oestrus behaviour, timing of ovulation and pregnancy rate during the breeding and low breeding seasons in Nili-Ravi buffaloes. Anim Reprod Sci, 107(1–2), 62–7. DOI. https://doi.org/10.1016/j.anireprosci.2007.06.007

Yendraliza, Handoko J, Rodiallah M, Arman C. (2017). Estrus Characteristic of Female Buffalo on Various Synchronization Protocol in Kampar Regency, Riau Province. Proceedings of the national seminar on livestock and veterinary technology, 86-91. [Online] Available from: http://medpub.litbang.pertanian.go.id/index.php/semnas-tpv/article/view/1709

Yendraliza, Handoko J, Rodiallah M. (2019). Reproductive performance of buffalo-cows with various synchronization protocols in Kampar Regency of Riau province. IOP Conf Ser Earth Environ Sci, 260(1). DOI. https://doi.org/10.1088/1755-1315/260/1/012057

Yousuf MR, Martins JPN, Husnain A, Riaz U, Riaz H, Sattar A, Javed, K., & Ahmad, N. (2015). Effect of oestradiol benzoate on oestrus intensity and pregnancy rate in CIDR treated anoestrus nulliparous and multiparous buffalo. Anim Reprod Sci, 159, 104-108.

Yurleni. (2000). Produktifitas dan Peluang Pengembangan Ternak Kerbau di Propinsi Jambi. Thesis Program Pasca Sarjana Institut Pertanian Bogor. Bogor.

Zaher H, Abdalla H, Labib F, Eidaroos A. (2012). Transrectal combined thickness of the uterus and placenta in normal pregnant Egyptian buffalo-cows. Theriogenology. 77(7), 1438-1444.

Zhao F, Wei QW, Li BJ, Weng QN, Jiang Y, Ning CB, Liu K Q, Wu W J, & Liu HL. (2022). Impact of adrenocorticotropin hormone administration on the endocrinology, estrus onset, and ovarian function of weaned sows. Endocrine Journal, 69(1), 23–33. DOI. https://doi.org/10.1507/endocrj.EJ21-0184