

DAFTAR PUSTAKA

- Adams, G. P., R. Jaiswal, J. Singh and P. Malhi. 2008. Progress in Understanding Ovarian Follicular Dynamics in Cattle. *Theriogenology*. 69:72-80.
- Ahrendt, H. J, 2007. The Effects of An Oestrogen-Free, Desogestrel- Containing Oral Contraceptive in Women with Cyclical Symptoms: Results from Two Studies on Oestrogen-Related Symptoms and Dysmenorrhoea *European Journal of Contraception & Reproductive Health Care*. Vol. 12, Iss. 4; p. 354.
- Apriem, F., N. Ihsan dan S. B. Poetro. 2012. Penampilan Reproduksi Sapi Peranakan Onggole Berdasarkan Paritas di Kota Probolinggo Jawa Timur. Fakultas Peternakan, Universitas Brawijaya, Malang.
- Awaluddin dan P. Tanda. 2010. Petunjuk Teknis Pangukuran Ternak Sapi Potong. Kementerian Pertanian Badan Penelitian dan Pengembangan Pertanian Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian, NTB. Nusa Tenggara Barat.
- Azzam, S. M., J.E. Kinder and M.K. Nielsen. 1989. Conception Rate at First Insemination in Beef Cattle: Effects of Season, Age and Previous Reproductive Performance. *Journal of Animal science*, 67(6):1405-10. Diakses 17 Februari 2021.
- Balumbi, M., I. Supriatna dan M. A. Setiadi. 2019. Respons dan Karakteristik Estrus setelah Sinkronisasi Estrus dengan Cloprostenol pada Sapi Friesian Holstein. *Acta Veterinaria Indonesiana* 7(1):29-36.
- Bartolome, J. A., F. T. Silvestre, A. C., M. Artechte., S. Kamimura., L. F. Archbald and W. W. Thatcher. 2002. The Use of Ovsynch and Heatsynch for Resynchronization of Cows Open at Pregnancy Diagnosis by Ultrasonography. *J. Dairy Sci*. 81: 390-342.
- Belstra, B. A. 2003. Parity Associated Changes in Reproductive Performance Physiological Basis or Record Keeping Artifact. Diakses dari <http://www.mark.asci.ncsu.edu>. Diakses 19 Mei 2020.
- Bhattacharyya, H. K., M. R. Fazili, I. Khan and F. Bhat. 2010. Fertility Status of Artificially Inseminated Crossbred Cows of Kashmir Valley. *Asian Journal of Animal Sciences*, 4: 56-63. Diakses 19 Mei 2020 dari <https://scialert.net>.
- Blakely, J. and H. B. David. 1991. *The Science of Animal Husbandry*. Printice-Hall Inc. New Jersey.
- Blakely, J. dan D. H, Bade. 1998. Ilmu Peternakan. Edisi 4. Gadjah Mada

University Press, Yogyakarta.

- Bo, G. A., P.S. Baruselli and M. F. Martinez. 2003. Pattern and Manipulation of Follicular Development in Bos Indicus Cattle. *Anim. Reprod. Sci.* 78:307-326.
- Boyd, L. J. 1970. Managing Dairy Cattle for Fertility. *Journal of Dairy Science.* pages 969-972. Diakses 19 Mei 2020.
- Budyanto, A. 2018. Faktor Gangguan Reproduksi Di Indonesia Dalam Manajemen Breeding Sapi Potong. FKH UGM, Yogyakarta.
- Buttler, W. R. 2000. Nutritional Interaction with Reproductive Performance in Dairy Cattle. *Anim. Reprod. Sci.* 60-61: 449-457.
- Bujko, J. 2011. Optimization Genetic Improvement of Milk Production in Population of the Slovak Spotted Breed, first ed. page 78.
- Cahyo, R. T. R., M. Krismiwati dan Hartoko. 2014. Hubungan Manajemen Usaha Peternakan dengan Kualitas dan Kuantitas Sapi Simmental di Kabupaten Banjarnegara. *Jurnal Ilmiah Peternakan*, 2 (1): 9-72.
- Cartmill, J. A., S. Z. El-Zarkouny, B.A. Hensley, G. C. Lamb, and J. S. Stevenson. 2001. Stage of Cycle, Incidence and Timing of Ovulation and Pregnancy Rate in Dairy Cattle after Three Timed Breeding Protocols. *J. Dairy Sci.* 84: 1051-1059.
- Clara dan Julian. 2016. Swasembada Daging dari Siwab Menjadi Sikomandan. <https://tabloidsinartani.com>. Diakses 24 Februari 2020.
- Colazo, M. G., J. A. Small, D. R. Ward, N. E. Erickson, J. P. Kastelic and R. J. Mapletoft. 2004. The Effect of Presynchronization on Pregnancy Rate to Fixed-Time AI in Beef Heifers Subjected to a Cosynch Protocol. *Reprod. Fertil. Develop.* 16 (2): 128-130.
- DeJarnette, M. 2003. What's New in Estrus Synchronization. Select Sires, Inc. Publication, North Plain City, Ohio, USA.
- Elfajri, R. 2016. Respon Berahi dan Kebuntingan Sapi Simmental pada Lingkungan Berbeda yang Diinjeksi Hormon Prostaglandin di BPTUHPT Padang Mengatas. Universitas Padjajaran, Bandung.
- Fadiellah, B. 2019. Injeksi Prostaglandin Intramuskular Dengan Merek Dagang Berbeda Pada Sapi Bali (Bos Sondaicus) Terhadap Kecepatan Terhadap Kecepatan dan Lama Estrus. Universitas Wijaya Kusuma Surabaya. Surabaya. Erepository.uwks.ac.id. Dikses 18 Maret 2020.
- Fatimah, L. 2019. Penuhi Kebutuhan Daging, Populasi Ternak di Genjot.

m.bisnis.com. Diakses 24 Februari 2020.

- Fanani, S., Y. B. P. Subagyo dan Lutojo. 2013. Kinerja Reproduksi Sapi Perah Peranakan Friesian Holstein (PFH) di Kecamatan Pudak, Kabupaten Ponorogo. Fakultas Pertanian. Universitas Sebelas Maret. Surakarta.
- Fania, B., I. G. N. Trilaksana dan I. K. Puja. 2020. Keberhasilan Inseminasi Buatan (IB) Pada Sapi Bali di Kecamatan Mengwi, Badung, Bali. *Medicus Veterinus*. Diakses 17 Februari 2022.
- Feradis. 2010. Reproduksi Ternak. Alfabeta. Bandung.
- Frandsen, R. D., W. L. Wilke, dan A. D. Fails. 2003. Anatomy of The Female Reproductive System In. *Anatomy and Physiology of Farm Animals*. 6 th ed. Lippincott Wilkams dan Wilkins Baltimore-Maryland. USA.
- French. M. H. I. Johanson, N. R. Joshi and E. A. McLanghlin. 1966. Europeans Breeds of Cattle, Vol II. Food and Agriculture Organization of The United Nation. Rome.
- Fricke, P. M. 2003. Ovsynch, Pre-synch, the Kitchen-Synch: What's Up with Synchronization Protocols? Publication of Extension Service, University of Wisconsin, Madison, USA.
- Fricke, P. M. and R. D. Shaver. 2007. Managing Reproductive Disorders in Dairy Cows. www.wisc.edu/dysciuwexrep.
- Fritz and Speroff. 2011. *Clinical Gynecologic Endocrinology and Infertility*. 8th ed. Philadelphia. Lippincott Williams & Wilkins.
- Goff, A. K. 2004. Steroid Hormon Modulation of Prostaglandin Scretion in the Ruminant Endometrium During the Estrous Cycle. *J. Of Biology Reproduction* 71: 11-16.
- Gomes, W. R. 1978. The Estrus Cycle. Dalam “ *Physiology of Reproduction and Artificial Insemination of Cattle*”, 2nd edition 2nd edition (G.W Salisbury, N.L van Demark dan J.R. Lodge, peny) pages 52-90. W.H. Freeman and Co., San Fransisco.
- Goodling, R. C., G. E. Shook, K. A. Weigel, and N. R. Zwald. 2005. The Effect of Synchronization on Genetic Parameters of Reproductive Traits in Dairy Cattle. *J. Dairy Sci.* 88: 2217-2225.
- Gwazdauskas, F. C. 1985. Effects of Climate on Reproduction in Cattle. *Journal Dairy Science*. 68: 1568-1578.
- Hadi, P. U. dan Ilham, N. 2002. Problem dan Prospek Pengembangan Usaha Pembibitan Sapi Potong di Indonesia. *Jurnal Litbang Pertanian*. 21(4):

148-157.

- Hafez, E. S. E and B. Hafez. 2000. *Reproduction in Farm Animals*. 7th edition. Philadelphia (US): Lea and Febiger. p405-430.
- Hafez, E. S. E and B. Hafez. 2000. *Anatomy of Female Reproduction*. In *Reproduction in Farm Animals*. Hafez, B. and E.S.E. Hafez (Eds.).7rd ed. Lippincott Williams and Wilkins, USA.
- Hariadi, M., D. Broomfield and P. J. Wright. 1998. The Synchrony of Prostaglandin-Induced Estrus in Cows was Reduced by Pretreatment with HCG. *Theriogenology* 49: 967-974.
- Hastono. 2000. Penyerempakan Berahi pada Domba dan Kambing. *J. Animal Production* 2(1):1-8.
- Henrich. D. M. dan A. X. Torrence, 1977. Endogenous Estrogen in Bovine Tissues. *J. Anim. Sci.* 45: 63.
- Ihsan, M. N dan Wahjuningsih S. 2011. Penampilan Reproduksi Sapi Potong di Kabupaten Bojonegoro. *Jurnal Ternak Tropika*. 12 (2):76-80.
- Ismail, M. 2009. Onset dan Intensitas Estrus Kambing Pada Umur yang Berbeda. *J. Agroland* 16 (2): 180-186.
- Iswoyo dan W. Priyantini. 2008. Performans Reproduksi Sapi Peranakan Simmental (PSM) Hasil Inseminasi Buatan di Kabupaten Sukoharjo Jawa Tengah. *Jurnal Ilmiah Ilmu-Ilmu Peternakan*. Hal. 125-133.
- Jainudeen, M. R. and E. S. E. Hafez. 2000. *Cattle and Buffalo*. In *Reproduction in Farm Animals*. Hafez, B., and E.S.E. Hafez. Lippincott Williams & Wilkins, Philadelphia.
- Jimmy, C. and Lattimer. 2014. *Ultrasonography*. Merk Veterinary Manual.
- Jorritsma, R., W. Theo, A. M. Theo, Kruip, L. A. M. Peter, Vos, P. T. M. Jos and Noordhuizen. 2003. Metabolic Change in Early Lactation and Impaired Reproductive Performance in Dairy Cows. *Review Article. Vet.Res.* 34:11- 26.
- Lembaga Kebijakan Pengadaan Barang/Jasa Pemerintah (2020). *Capriglandin Inj. dan Zoetis Lutalyse*. <https://e-katalog.lkpp.go.id>.
- Lewis, G. S. 2004. Steroidal Regulation of Uterine Immune Defense. *Anim. Reprod. Sci.* 82-83:281-294.
- Kasimanickam, R., J. C. Collins, J. Wuenschell, J. C. Currin, J. B. Hall, and D. W. Whittier. 2006. Effect of Timing of Prostaglandin Administration,

Controlled Internal Drug Release Removal and Gonadotropin Releasing Hormone Administration on Pregnancy Rate in Fixed-Time AI Protocols in Crossbred Angus Cows. *Theriogenology* 65: 1-14.

Keskin, A., G. Mecitoglu, E. Bilen and B. Guner. 2016. The Effect of Ovulatory Follicle Size at The Time Of Insemination on Pregnancy Rate in Lactating Dairy Cows. *Turkish Journal Veterinary and Animal Sciences*. 40: 68-74.

Kruif, A. D. 1978. Faktor-Faktor yang Mempengaruhi Kesuburan Populasi Sapi. Klinik Kebidanan Hewan, Ginekologi dan A.L, Universitas Negeri Utrech. Belanda. Akses tanggal 19 Mei 2020.

Kune. P dan N. Solihati. 2007. Tampilan Berahi dan Tingkat Kesuburan Sapi Bali Timor yang diinseminasi. *Jurnal Ilmu Ternak*.

Kusnandar, V. B. 2020. Inilah Proyeksi Jumlah Indonesia 2020. Akses tanggal 24 Februari 2020.

Macmillan. K. L. 1983. Prostaglandin Response In Dairy Herd Breeding Programs. *J. Vet.* 31 : 110-113.

Maidaswar, 2007. Efisiensi Superovulasi Pada Sapi Melalui Sinkronisasi Gelombang Folikel dan Ovulasi. Tesis. Program Pascasarjana Institut Pertanian Bogor. Bogor.

Malik, K. and A. Dua. 2022. Prostaglandins. National Center for Biotechnology Information.

Marrow, D. A. 1986. Current Therapy In Theriogenology 2. W. B. Saunders, Philadelphia.

McDonald. 1975. *Veterinary Endocrinology and Reproduction*. Second and Edition. Lea and Febiger. Philadelphia.

Melia, J. 2010. Gambaran Ultrasonografi Organ Reproduksi Sapi Endometritis yang Diterapi dengan Kombinasi Gentamicine, Flumequine dan Analog PGF 2α Secara Intra Uteri. Fakultas Kedokteran Hewan Institut Pertanian Bogor, Bogor.

Melia, J., Amrozi, dan Ligaya. 2018. Dinamika Ovarium Sapi Endometritis Yang Diterapi Dengan Gentamicine, Flumequine Dan Analog Prostaglandin F2 Alpha (PGF 2α) Secara Intra Uterus. Fakultas Kedokteran Hewan Institut Pertanian Bogor, Bogor.

Miller, D. J. 2006. *Systematic Breeding Programs for the Dairy Herd*. Illinois State University Publication, Urbana, Illinois, USA.

Mossa, F., S. W. Walsh, S. T. Butler, D. P. Berry, F. Carter, P. Lonergan, G. W.

Smith, J. J. Ireland and A. C. O. Evans. 2012. Low Number of Ovarian Follicles ≥ 3 mm in Diameter are Associated With Low Fertility in Dairy Cows. *Journal Dairy Science*. 95: 2355-2361.

Mohammed, N. 2020. Artificial Insemination Techniques and Equipments of Cattle. *Global Veterinaria*. 22 (4): 204-208. Diakses 17 Februari 2022.

Mukkun, R. R. L., M. Yusuf, A. L. Toleng, H. Sonjaya and Hasrin. 2021. Effectiveness of Estrous Synchronization Using Prostaglandin (PGF 2α) in Bali Cows. *The 3rd International Conference of Animal Science and Technology*. Diakses 17 Februari 2022.

Nalbandov, A. V. 1990. *Fisiologi Reproduksi pada Mammalia dan Unggas*. Edisi Ketiga. UI Press. Jakarta.

NCBI. 2022. Dinoprost Tromethamine. National Center for Biotechnology Information. USA. Diakses 26 Agustus 2022.

Guiying, C., R. Yuqin, Q. Xingyu, W. Guolin, and H. Lingfei. 2016. The Synthetic Method of Tromethamine Dinoprost. <https://patents.google.com>. China. Diakses 26 Agustus 2022.

Nessan, G. K. and G. J. King, 1981. Sexual Behavior in Ovariectomized Cows Treated with Oestradiol Benzoate and Testosterone Propionate. *J. Reprod.* 61 : 171-178.

Novikov, E. A. D. I. Startser and E. A. Arzumanyan. 1950. *Breeds Improvement in Cattle Breeding*. State Publishing House for Agriculture Organization Literature. Moscow.

Pancarci, S. M., E. R. Jordan, C. A. Risco, M. J. Shouten and W. W. Thatcher. 2002. Use of Estradiol Cypionate in a Presynchronized Timed Artificial Insemination Program for Lactating Dairy Cattle. *J. Dairy Sci.* 85: 122-131.

Partodihardjo, S. 1987. *Ilmu Reproduksi Ternak*. Mutiara Sumber Widya. Jakarta.

Patterson, D. J., M. F. Smith and D. J. Scafer. 2005. *New Opportunities to Synchronize Estrus and Facilitate Fixed-Time AI*, Division of Animal Sciences. University of Missouri-Columbia.

Pemayun, T. G. O. 2009. Induksi Estrus Dengan PMSG dan GnRH Pada Sapi Perah Anestrus Postpartum. *Buletin Veteriner Udayana* 1(2): 83-87.

Prastowo, Y. 2015. *Pengendalian Birahi Sapi Betina Bibit dengan Prostaglandin*. Direktorat Kesmavet. Diakses 25 Februari 2020.

Perez, C. C., I. Rodriguez, F. Espans, J. Dorado, M. Hidalgo and J. Sanz. 2003.

- Follicular Growth Patterns in Repeat Breeder Cows. *Vet. Med. Czech.* 48(1-2):1-8.
- Perry, G. A., M. F. Smith, M. C. Lucy, J. A. Green, T. E. Parks, M. D. MacNeil, A. J. Roberts, T. W. Geary. (2005). *Proceedings of the National Academy of Sciences of the United States of America.* 102(14): 5268-5273.
- Pfizer. 2022. Lutalyse. Pharmacia and Upjohn Company LLC Division of Pfizer Inc. New York. Diakses 25 Agustus 2022.
- Priedkalns. 1989. Sistem Reproduksi Betina. Dalam: *Buku Teks Histologi Veteriner II.* Brown, D. (Ed.). Edisi Ketiga. UI Press. Jakarta.
- Pursley, J. R., M. R. Kosorok and M. C. Wiltbank. 1997. Reproductive Management of Lactating Dairy Cows Using Synchronization of Ovulation. *J. Dairy Sci.* 80: 301-306.
- Pusat Informasi BPTUHPT Padang Mengatas. 2018. Profil Balai-BPTUHPT Padang Mengatas. Diakses 25 Februari 2020.
- Putro, P. P. dan A, Kusumawati. 2014. Dinamika Folikel Ovulasi Setelah Sinkronisasi Estrus dengan Prostaglandin F2a pada Sapi Perah. *Bagian Reproduksi dan Obstetri, Fakultas Kedokteran Hewan, Universitas Gadjah Mada. Jurnal Sain Veteriner.* Hlm 0126 – 0421.
- Putro, J. T. W., A. Budiyanto dan A. Kusumawati. 2020. Pengaruh Ukuran Ovarium dan Folikel terhadap Penampilan Reproduksi Pada Sapi PO dan SimPO di Kecamatan Jatinom, Kabupaten Klaten. *Universitas Gadjah Mada, Yogyakarta. Jurnal Sain Veteriner.*
- Rabiee, A. R., I. J. Lean and M. A. Stevenson. 2005. Efficacy of Ovsynch Program on Reproductive Performance in Dairy Cattle: a Meta-Analysis. *J. Dairy Sci.* 88: 2754- 2770.
- Rajamahendran, R., J. D. Ambrose, M. Aali, N. Rramakrishnappa, N. Giritharan and J. Small. 2002. Hormonal Treatment Following Breeding to Increase Pregnancy Rates In Cattle. *J. Biotech. Anim. Reprod.* 9: 151-160.
- Ramadhani, S. A., I. Supriatna., N. W. K. Karja., A. Winarto. 2017. Pengendalian Folikulogenesis Ovarium dengan Pemberian Ekstrak Biji Kapas. *Jurnal Sain Veteriner.* 35(1): 71-90.
- Rambe, N. A., N. S. Tongku, A. T. R. Teuku., G. Gholib., P. Budianto., A. Mulyadi., dan D. Dasrul. 2020. Efektivitas Pemberian Beberapa Preparat Hormon Prostaglandin Komersial terhadap Persentase Berahi Sapi di Kabupaten Labuhanbatu Selatan, Sumatera Utara. *Jurnal Agripet.* Diakses 17 Februari 2022.

- Rasad, S. D., K. Sandi., S. Dewi., dan S. Rukmanto. 2008. Kajian Pelaksanaan Program Inseminasi Buatan Sapi Potong di Jawa Barat. Fakultas Peternakan Universitas Padjadjaran. Bandung.
- Rasby, R. 2005. Synchronizing Estrus in Beef Cattle. *Beef Cattle Prod.* 2: 1-6.
- Rivera, H., H. Lopez and P.M. Fricke. 2004. Fertility of Holstein Dairy Heifers After Synchronization of Ovulation and Timed AI or AI After Removed Tail Chalk. *J. Dairy Sci.* 87: 2051-2061.
- Saili, T., A. Bain., A. S. Aku, M. Rusdin, dan R. Aka. 2014. Sinkronisasi Estrus Melalui Manipulasi Hormon Agen Luteolitik untuk Meningkatkan Efisiensi Reproduksi Sapi Bali dan PO di Sulawesi Tenggara.
- Salisbury, G. W dan N. L. Vandemark. 1985. Reproduksi Pada Ternak. Terjemahan Gajah Mada Universitas Press. Yogyakarta.
- Salverson, R. 2006. Manipulation of the Oestrus Cycle in Cow, South Dakota State University-Cooperative Extension Service-USDA.
- Salverson, R and G. Perry. 2007. Understanding Estrus Synchronization of Cattle. South Dakota State University-Cooperative Extension Service-USDA.
- Sarder, J. U. 2011. Current Fertility Status In Cattle of Mini Dairy Farms: Reproductive and Productive performance in Cows due to some factors at Private Mini-dairy Farms of Natore District in Bangladesh. Diakses 19 Mei 2020.
- Sariubang, M dan A. Nurhayu. 2011. Respon Penyuntikan Hormone Capriglandin PGF 2α Terhadap Sinkronisasi Estrus Induk Sapi Bali di Kabupaten Enrekang Sulawesi Selatan. Prosiding Seminar Nasional Teknologi Peternakan dan Veteriner. Hlm. 45-49.
- Sartori, R., P. M. Fricke, J. C. P. Ferreira, O. J. Ginther, M. C. Wiltbank. 2000. Follicular Deviation and Acquisition of Ovulatory Capacity in Bovine Follicles. *Biology of Reproduction.* 65: 1403-1409.
- Sartori, R., G. J. M. Rosa dan M. Wiltbank. 2002. Ovarian Structures and Circulating Steroids in Heifers dan Lactating Cows in Summer and Lactating and Dry Cows in Winter. *J. Dairy Sc.* 85:2813- 2822.
- Scharf, L. 2017. Dinoprost Tromethamine (Lutalyse): apa itu, untuk apa, bagaimana menggunakannya, efek samping. <http://dicasdemusculacao>. Diakses 26 Agustus 2022.
- Schillo, K. K. 1992. Effect of Dietary Energy on Control of Luteinizing Hormone Secretion in Cattle and Sheep. *J. Anim Sci.* 70: 1271-1282.

- Setiawan, V. 2020. Dinoprostone: Manfaat, Dosis, dan Efek Samping. Honestdocs. Diakses 26 Agustus 2022.
- Siagarini, V. D., I. Nurul dan W. Sri. 2015. Service PerConception (S/C) dan Conception Rate (CR) Sapi Peranakan Simmental Pada Paritas Yang Berbeda Di Kecamatan Sanankulon Kabupaten Blitar. Fakultas Peternakan Universitas Brawijaya. Malang.
- Sonjaya, H. 2012. Dasar Fisiologi Ternak. IPB Press. Bogor.
- Sosroamidjojo, M.S. 1985. Ternak Potong dan Kerja. CV. Yasaguna. Jakarta.
- Stevenson, J. S., J.F. Smith and D.E. Hawkins. (2000). Reproductive Outcomes for Dairy Heifers Treated with Combination of Prostaglandin F_{2α}, Norgestomet and Gonadotropin-Releasing Hormone. *J. Dairy Sci.* 83: 2008-2015.
- Stotzel, C., J. Plöntzke, W. Heuwieser and S. Roblitz. 2012. Advances in Modeling of The Bovine Estrous Cycle: Synchronization With PGF_{2α}. *Journal Dairy Science.* 78: 1415-1428.
- Sugeng. B.Y. 1999. Sapi Potong. PT. Penebar Swadaya. Jakarta.
- Sulaksono, A., S. Suharyati dan E. P. Santoso. 2010. Penampilan Reproduksi (Service Per Conception, Lama Bunting dan Selang beranak) Kambing Boerawa Di Kecamatan Gedong Tataan dan Kecamatan Gisting. Fakultas Pertanian Universitas Lampung.
- Talib, C. dan A. R. Siregar. 1999. Faktor-Faktor yang Mempengaruhi Pertumbuhan Pedet PO dan Crossbrednya Dengan Bos Indicus dan Bos Taurus Dalam Pemeliharaan Tradisional. Prosiding Seminar Nasional Peternakan dan Veteriner. Puslitbangnak. Bogor.
- Tagama, T. R. 1995. Pengaruh Hormon Estrogen, Progesteron dan Prostaglandin F_{2α} Terhadap Aktivitas Berahi Sapi PO Dara. Fakultas Peternakan Universitas Jendral Sudirman. Purwokerto.
- Thatcher, W.W., W. Moreira and C. A. Risc. 2001. Strategies to Optimize Reproductive Efficiency by Regulation of Prabowo Purwono Putro dan Asmarani Kusumawati 31 Ovarian Function. *Dom. Anim. Endocrin.* 23: 243-254.
- Thatcher, W. W., D. J. Patterson, F. Moreira and M. Pancarci. 2002. Current Concepts for Estrus Synchronization and Timed th Insemination, 34 *An. Proc. Am. Soc. Bov. Pract.* 34: 96-105.
- Toelihere, M.R. 1981. Fisiologi Reproduksi pada Ternak. Angkasa. Bandung.

- Udin, Z. 2012. Teknologi Inseminasi Buatan dan Transfer Embrio Pada Sapi. Sukabina Press. Padang. Hlm 76-95.
- Uslenghi G, A. Vater SR. Aguilar J. Cabodevila and S. Callejas. 2016. Effect of Estradiol Cypionate and GnRH Treatment on Plasma Estradiol-17 β Concentrations, Synchronization of Ovulation and on Pregnancy Rates in Suckled Beef Cows Treated with FTAI-Based Protocols. *Journal Reproduction in Domestic Animal*. 51: 693-699.
- Wathes, D. C., N. Bourne, J. Brickell, A. Swali dan V. J. Taylor. 2005. Relationship Between Production and Reproduction. The 26th European Holstein and Red Holstein Conference, Prague.
- Wattiaux, M. A. 1995. Reproduction and Genetic Selection. The Babcock Institute University of Wisconsin, Madison, USA.
- Whitley, N. C., D. J. Jackson. 2004. An Update on Estrus Synchronization in Goats: a Minor Species. *Journal Animal Science*. 82: E270–E276.
- Weems, C.W., Y.S., Weems, R.D., Randel. 2006. Prostaglandins and Reproduction in Female Farm Animals. *J.Vet*. 171 (2): 206-28.
- Widiarta, I. N. O., G. O. P. Tjok., N. B. T. Gusti. 2020. Perkembangan Folikel dan Munculnya Estrus Setelah Penyuntikan GnRH Pada Sapi Bali yang Mengalami Anestrus Postpartum Dengan Body Condition Score Berbeda. Universitas Udayana. Denpasar, Bali. *Buletin Veteriner Udayana*. Hlm. 92-97.
- Williams, S. W., R. L. Stanko, M. Amstalden and G. L. Williams. 2002. Comparison of Three Approaches for Synchronization of Ovulation for Timed Artificial Insemination in *Bos indicus*-Influenced Cattle Managed on the Texas Gulf Coast. *J. Anim. Sci*. 80: 464 - 470.
- Wells, E. M dan H. B. Clifford. 2002. Reproductive Efficiency in Dairy Cattle. Oklahoma Cooperative Extension Service.
- Winugroho, M. 2002. Strategi pemberian pakan tambahan untuk memperbaiki efisiensi reproduksi induk sapi. *Jurnal Litbang Pertanian*. 21(1) : 19-23.
- Xu, Z. Z., L. J. Burton, S. McDougall and P. D. Jolly. 2000. Treatment of Noncyclic Lactating Dairy Cows with Progesterone and Estradiol or With Progesterone, GnRH, Prostaglandin F₂, and Estradiol. *J. Dairy Sci*. 83: 1112-1119.
- Xu, Z. Z. 2011. Control of Estrus Cycles: Synchronization of Estrus. Livestock Improvement Corporation Ltd., Hamilton, New Zealand.
- Yavas, Y and J. Walton. 2003. Postpartum Acyclicity in Suckled Beef Cows: A

review *Theriogenology*. 54(1): 25– 55.

Yoshida, C. dan T. Nakao. 2005. Response of Plasma Cortisol and Progesterone after ACTH Challenge in Ovariectomized Lactating Dairy Cows. *Journal of Reproduction and Development*.

Yoshida, C. 2006. Shortened Estrous and a Possible Endocrinological Role in Suppression Estrous Signs in Dairy Cows. *Bull.Facul.Agric.Niigata Univ.* 59(1):1-9.

Yoshida, C, M. Yusuf and T. Nakao. 2009. Duration of Estrus Induced After GnRH-PGF2 α Protocol in Dairy Heifer. *Journal Animal Science*. 80: 649-654.

Yusuf, T. L. 1990. Pengaruh Prostaglandin F2 α dan Gonadotropin terhadap aktifitas Estrus dan Superovulasi dalam Rangkaian Kegiatan Transfer Embrio pada Sapi Fries Holand, Bali dan Peranakan Ongol. Institut Pertanian Bogor. Bogor.

Zeitoun, M. M., H. F. Rodriguez, and R. D. Randel. 1996. Effect of Season on Ovarian Follicular Dynamics in Braman Cows. *Theriogenology*.

Zulfanedi, Y. 2017. Penggunaan Ultrasonografi (USG) pada Sapi Potong. <http://dharmasrayakab.go.id>. Akses tanggal 26 Maret 2020.

