DAFTAR PUSTAKA

Ananth, D. (2000). Juvenile Musth. *Zoo's Print Journal*, *XV*(5), 259–262.

Blake, S., & Hedges, S. (2004). Sinking the Flagship: The Case of Forest Elephants in Asia and Africa. *Conservation Biology*, *18*(5), 1191–1202.

Borell, V. E., Dobson, H., & Prunier, A. (2007). Stress, Behaviour, and Reproductive Performance in Female Cattle and Pigs. *Hormones and Behavior*, *52*(1), 130–138.

Bradshaw, I. G. A. (2004). Animal Issues Not by Bread Alone: Symbolic Loss, Trauma, and Recovery in Elephant Communities. In *Not by Bread Alone* (pp. 143–158).

Breen, K. M., Billings, H. J., Wagenmaker, E. R., Wessinger, E. W., & Karsch, F. J. (2005). Endocrine Basis for Disruptive Effects of Cortisol on Preovulatory Events. *Endocrinology*, *146*(4), 2107–2115.

Brown, J. L., Hildebrandt, W., Theison, W., & Neiffer, D. L. (1999). Endocrine and Ultrasound Evaluation of A Non-cycling African Elephant: Identification of A Follicular Ovarian Cyst. *Zoo Biology*, *18*, 223–232.

Brown, J. L., Paris, S., Prado-Oviedo, N. A., Meehan, C. L., Hogan, J. N., Morfeld, K. A., & Carlstead, K. (2016). Reproductive Health Assessment of Female Elephants in North American Zoos and Association of Husbandry Practices with Reproductive Dysfunction in African Elephants (Loxodonta africana). *PLoS ONE*, *11*(7), 1–23.

Carolina, N., & Carolina, N. (2007). Age, Musth, and Paternity Success in Wild Male African Elephants, Loxodonta africana, *74*, 287–296.

Cunningham, R. L., Lumia, A. R., & McGinnis, M. Y. (2012). Androgen Receptors, Sex Behavior, and Aggression. *Neuroendocrinology*, *96*(2), 131–140.

Departemen Kehutanan. (2007). *Strategi dan Rencana Aksi Konservasi Gajah Sumatera dan Gajah Kalimantan 2007-2017* (Vol. 1).

Dobson, H., & Smith, R. . (2000). What Is Stress, and How Does It Affect Reproduction? *Animal Reproduction Science*, *60*, 743–752.

Dow, T. L., Holásková, I., & Brown, J. L. (2011). Results of The Third Reproductive Assessment Survey of North American Asian (Elephas Maximus) and African (Loxodonta Africana) Female Elephants. *Zoo Biology*,

30(6), 699–711.

Eisenberg, J. F., & Kleiman, D. G. (1972). Olfactory Communication in Mammals. *Annual Review of Ecology and Systematics*, *3*(1), 1–32.

Everitt, A., & Meites, J. (1989). Minireview: Aging and Anti-aging Effects of Hormones. *Journals of Gerontology*, *44*(6).

Fernando, P., Vidya, T. N. C., Payne, J., Stuewe, M., Davison, G., Alfred, R. J., … Melnick, D. J. (2003). DNA Analysis Indicates that Asian Elephants are Native to Borneo and Are therefore A High Priority for Conservation. *PLoS Biology*, *1*(1), 110–115.

Fleischer, R. C., Perry, E. A., Muralidharan, K., Stevens, E. E., & Wemmer, C. M. (2001). Phylogeography of The Asian Elephant (Elephas maximus) Based on Mitochondrial DNA. *Evolution; International Journal of Organic Evolution*, *55*(9), 1882–1892.

Fowler, M. E., & Mikota, S. K. (2006). *Biology, Medicine and Surgery of Elephants*. USA: Blackwell Publishing.

Ganswindt, A., Heistermann, M., & Hodges, K. (2016). Physical. Physiological, and Behavioral Correlates of Musth in Captive African Elephants (Loxodonta africana). *J Store*, *78*(4), 505–514.

Ganswindt, A., Rasmussen, H. B., Heistermann, M., & Hodges, J. K. (2005). The Sexually Active States of Free-Ranging Male African Elephants (Loxodonta Africana): Defining Musth and Non-musth Using Endocrinology, Physical Signals, and Behavior. *Hormones and Behavior*, *47*(1), 83–91.

Ghosal, R., Kalaivanan, N., Sukumar, R., & Seshagiri, P. B. (2012). Assessment of Estrus Cyclicity in The Asian Elephant (Elephas Maximus) by Measurement of Fecal Progesterone Metabolite 5α-P-3OH, Using A Non-Invasive Assay. *General and Comparative Endocrinology*, *175*(1), 100–108.

Gopala, A., Hadian, O., Sunarto, Sitompul, A., Williams, A., Leimgruber, P., … Gunaryadi, D. (2011). Elephas maximus ssp. sumatranus. *The IUCN Red List of Threatened Species 2011*, *8235*, e.T199856A9129626.

Hall-Martin, A. J. (1987). Role of Musth in The Reproductive Strategy of The African Elephant (Loxodonta africana). *S.Afr.J.Sci.*, *83*, 616–620.

Hasanah, H. (2016). Teknik-Teknik Observasi. *At-Taqaddum*, *8*(1), 21–46.

Hermes, R., Hildebrandt, T. B., & Göritz, F. (2004). Reproductive Problems Directly Attributable to Long-term Captivity-asymmetric Reproductive Aging. *Animal Reproduction Science*, *82–83*, 49–60.

Hildebrandt, T. B., Hermes, R., Pratt, N. C., Fritsch, G., Blottner, S., Schmitt, D. L., … Göritz, F. (2000). Ultrasonography of The Urogenital Tract in Elephants (Loxodonta africana and Elephas maximus): An Important Tool for Assessing Male Reproductive Function. *Zoo Biology*, *19*(5), 333–345.

Hildebrandt, T. B., Ritz, F. G., Hermes, R., Reid, C., Dehnhard, M., & Brown, J. L. (2006). Aspects of The Reproductive Biology and Breeding Management of Asian and African Elephants. *Int. Zoo Yb*, *40*, 20–40.

Holloway, R. L. (1974). Evolution of the Brain and Intelligence. *Science*, *184*(4137), 677–679. Retrieved from http://www.sciencemag.org/cgi/doi/10.1126/science.184.4137.677

Irie, N., & Hasegawa, T. (2009). Elephant Psychology: What We Know and What We Would Like to Know. *Japanese Psychological Research*, *51*(3), 177–181.

Jones, M. L. (1972). Longevity of Mammals in Captivity. *In Vivo (Athens, Greece)*, *6*(4), 363–366.

Jordan, R. (2016). Taman Nasional Way Kambas Sambut Kelahiran 1 Ekor Gajah Betina. Retrieved June 11, 2018, from https://news.detik.com/berita/3320444/taman-nasional-way-kambas-sambut-kelahiran-1-ekor-gajah-betina

Kawaguchi, K., Fujii, S., Konishi, I., Nanbu, Y., Nonogaki, H., & Mori, T. (1989). Mitotic Activity in Uterine Leiomyomas During The Menstrual Cycle. *American Journal of Obstetrics and Gynecology*, *160*(3), 637–641.

Kenagy, G. J., Place, N. J., & Veloso, C. (1999). Relation of Glucocorticosteriods and Testosterone to The Annual Cycle. *General and Comparative Endocrinology*, *115*, 236–243. https://doi.org/0016-6480/99

Lahdenperä, M., Mar, K. U., & Lummaa, V. (2014). Reproductive Cessation and Post-reproductive Lifespan in Asian elephants and Pre-Industrial Humans. *Fronties in Zoology*, *11*(54), 1–14.

Liptrap, R. M., & Raeside, J. I. (1997). Effect of Cortisol on The Response to Gonadotrophin Releasing Hormone in The Boar. *Journal of Endocrinology*, *97*(June), 75–81.

Lueders, I., Drews, B., Niemuller, C., Gray, C., Rich, P., Fickel, J., … Hildebrandt, T. B. (2010). Ultrasonographically Documented Early Pregnancy Loss in An Asian Elephant (Elephas maximus). *Reproduction, Fertility and Development*, *22*(7), 1159–1165.

Maruo, T., Matsuo, H., Samoto, T., Shimomura, Y., Kurachi, O., Gao, Z., … Johansson, E. (2000). Effects of progesterone on uterine leiomyoma growth

and apoptosis. *Steroids*, *65*(10–11), 585–592.

Mcgrady, A. V. (1984). Effects of psychological stress on Male reproduction: A review. *Systems Biology in Reproductive Medicine*, *13*(1), 1–7.

Micom. (2017). Populasi Gajah di Indonesia "Tinggal" 1.328 Ekor.

Millspaugh, J. J., Burke, T., Van Dyk, G., Slotow, R., Washburn, B. E., & Woods, R. J. (2007). Stress Response of Working African Elephants to Transportation and Safari Adventures. *Journal of Wildlife Management*, *71*(4), 1257–1260.

Moberg, G. P. (1991). How Behavioral Stress Disrupts the Endocrine Control of Reproduction in Domestic Animals. *Journal of Dairy Science*, *74*(1), 304–311.

Monder, C., & Blanchard, J. (1994). Visible Burrow System: Evidence Role. *Society*, *134*(3).

Montali, R. J., Hildebrandt, T., Goritz, F., Hermes, R., Ippen, R., & Ramsay, E. (1997). *Ultrasonography and Pathology of Genital Tract Leiomyomas in Captive Asian Elephants: Implications for Reproductive Soundness* (Vol. 38).

Moss, C., Croze, H., & Lee, P. C. (2011). *The Amboseli Elephants: a Long-Term Perspective on A Long-lived Mammal*. Chicago: University of Chicago Press. Retrieved from https://books.google.co.id/books?id=MyLTkz_0V5MC&dq=elephant+penis+semi+erect+full+erect&hl=id&source=gbs_navlinks_s

Ortolani, A., Leong, K., Graham, L., & Savage, A. (2005). Behavioral indices of estrus in a group of captive African elephants (Loxodonta africana). *Zoo Biology*, *24*(4), 311–329.

Parazzini, F., Negri, E., Vecchia, C. L., Chatenoud, L., Ricci, E., & Guarnerio, P. (1996). Reproductive Factors and Risk of Uterine Fibroids. *Epidemiology*, *7*(4), 440–442.

Parazzini, F., Vecchia, C. L., Negri, E., Cecchetti, G., & Fedele, L. (1988). Epidemiologic Characteristics of Women With Uterine Fibroids: A Case-Control Study. *Epidemiology*, *72*(6), 853–857.

Poole, J. H. (1987). Rutting Behavior in African Elephants: The Phenomenon of Musth Author, *102*(3), 283–316.

Poole, J. H. (1989). Mate guarding, reproductive success and female choice in African elephants. *Animal Behaviour*, *37*, 842–849.

Poole, J. H., & Moss, C. (1989). Elephant mate searching: group dynamics and vocal and olfactory communication. *Symposia of the Zoological Society of London*, *61*, 111–125.

Rajapaksa, R. C. (2007). *Captive Breeding of Elephants at Pinnawala Elephant Orphanage in Sri Lanka*. Sri Lanka.

Rasmussen, H. B., Ganswindt, A., Douglas-Hamilton, I., & Vollrath, F. (2008). Endocrine and Behavioral Changes in Male African Elephants: Linking Hormone Changes to Sexual State and Reproductive Tactics. *Hormones and Behavior*, *54*(4), 539–548.

Rasmussen, L. E. L., Krishnamurthy, V., & Sukumar, R. (2005). Behavioural and Chemical Confirmation of the Preovulatory Pheromone, (Z)-7-dodecenyl Acetate, in Wild Asian Elephants: Its Relationship to Musth. *Behaviour*, *142*(3), 351–396.

Rasmussen, L. E. L., & Schulte, B. A. (1998). Chemical Signals in the Reproduction of Asian (Elephas maximus) and African (Loxodonta Africana) Elephants. *Animal Reproduction Science*, *53*(1–4), 19–34.

Rasmussen, L. E., Schmidt, M. J., Henneous, R., Groves, D., & Daves, G. D. (1982). Asian Bull Elephants: Flehmen-like Responses to Extractable Components in Female Elephant Estrous Urine. *Science*, *217*(4555), 159–162.

Rein, M. S., Barbieri, R. L., & Friedman, A. J. (1995). Progesterone: A Critical Role in the Pathogenesis of Uterine Myomas. *Journal of Gynecology & Obstetrics*, *51*, 189–197.

Schaefer, K. E. (1977). *Stress, Health, and the Social Environment: A Sociobiologic Approach to Medicine*. New York: Springer Science & Business Media.

Scott, N. L., Zoo, D., & Patterns, L. A. (2014). *Chemical Communication and Musth in Captive Male Elephants*. Portland.

Shoshani, J., & Eisenberg, J. F. (1982). Mammalian Species: Elephas maximus. *The American Society of Mammalogist*, *182*, 1–8.

Sukumar, R. (2003). *The Living Elephants: Evolutionary Ecology, Behavior, and Conservation*. *Nature*. New York: Oxford University Press.

Thitaram, C. (2011). Breeding Management of Captive Asian Elephant (Elephas maximus) in Range Countries and Zoos. *Research Gate*, *10*(1), 91–96.

Thitaram, C. (2012). *Female Reproduction*. *Elephant Research and Education Center*. Thailand.

Thitaram, C., Brown, J. L., Pongsopawijit, P., Chansitthiwet, S., Wongkalasin, W., Daram, P., … van Eerdenburg, F. J. C. M. (2008). Seasonal Effects on The Endocrine Pattern of Semi-captive Female Asian Elephants (Elephas Maximus): Timing of the Anovulatory Luteinizing Hormone Surge Determines the Length of the Estrous Cycle. *Theriogenology*, *69*(2), 237–244.

Thitaram, C., Chansitthiwet, S., Pongsopawijit, P., Brown, J. L., Wongkalasin, W., Daram, P., … van Eerdenburg, F. J. C. M. (2009). Use of Genital Inspection and Female Urine Tests to Detect Oestrus in Captive Asian Elephants. *Animal Reproduction Science*, *115*(1–4), 267–278.

Thongtip, N. (2009). *Male Elephant Reproduction*. *Elephant Research and Education Center*. Thailand.

Thongtip, N., Mahasawangkul, S., Thitaram, C., Pongsopavijitr, P., Kornkaewrat, K., Pinyopummin, A., … Saikhun, K. (2009). Successful Artificial Insemination in the Asian Elephant (Elephas Maximus) Using Chilled and Frozen-Thawed Semen. *Reproductive Biology and Endocrinology*, *7*, 1–8.

Thongtip, N., Saikhun, J., Damyang, M., Mahasawangkul, S., Suthunmapinata, P., Yindee, M., … Pinyopummin, A. (2004). Evaluation of Post-Thaw Asian Elephant (Elephas Maximus) Spermatozoa Using Flow Cytometry: The Effects of Extender and Cryoprotectant. *Theriogenology*, *62*(3–4), 748–760.

Thongtip, N., Saikhun, J., Mahasawangkul, S., Kornkaewrat, K., Pongsopavijitr, P., Songsasen, N., & Pinyopummin, A. (2008). Potential Factors Affecting Semen Quality in the Asian Elephant (Elephas maximus). *Reproductive Biology and Endocrinology*, *6*, 1–9.

Vidya, T. N. C., & Sukumar, R. (2005). Social and Reproductive Behaviour in Elephants. *Current Science*, *89*(7), 1200–1207.

Walker, C. L. (2002). Role of Hormonal and Reproductive Factors in the Etiology and Treatment of Uterine Leiomyoma. *Recent Progress in Hormone Research*, *57*(1), 277–294.

Wiese, R. J. (2000). Asian Elephants are not Self-Sustaining in North America. *Zoo Biology*, *19*(5), 299–309.

Zein, M. S. A., & Sulandari, S. (2016). Kajian Gen Amely Gajah Sumatra (Elephas maximus sumatranus). *Jurnal Biologi Indonesia*, *12*(1), 81–86.