

## DAFTAR PUSTAKA

- Arieski, Y., Roslizawaty, dan Syafruddin. (2018). Pengaruh Ketamin-Xylazin Terhadap Peningkatan Frekuensi Jantung dan Nafas Pada Kucing Lokal (*Felis domestica*) yang Diovariohisterektomi. *JIMVET*. 2(4): 593-598.
- Arvianto, Okaliansah, E., dan Surahman, E. (2017). Perbandingan antara Sevofluran dan Propofol Menggunakan Total Intravenous Anesthesia Target Controlled Infusion terhadap Waktu Pulih Sadar dan Pemulangan Pasien pada Ekstirpasi Fibroadenoma Payudara. *Jurnal Anestesi Perioperatif*. 5(1): 24-31.
- Barthold, S.W. (2005). *Pathology of Laboratory Mice*. University of California. US. 318.
- Blue Ridge Poison Center. (2022). Xylazine: Overdose Cases On The Rise. *ToxTalks*. Feb 22: 1-3.
- Brunton, L. L., Lazo, J. S., dan Parker, K. L. (2006). *Goodman & Gilman's The Pharmacological Basis of Therapeutics, Eleventh Edition*. McGraw-Hill. USA. 346, 352.
- Cayman Chemical. (2019). *Aspartate Aminotransferase Colorimetric Activity Assay Kit*. Cayman Chemical Company. USA.
- Chen, F. H., Yu, C. F., Yang, C. K., Lin, Y. C., Lin, G., Wang, C. C., Yu, H. P., Fang, J., Chang, N. F., dan Hong, J. H. (2020). Multimodal Imaging Reveals Transient Liver Metabolic Disturbance and Sinusoidal Circulation Obstruction After a Single Administration of Ketamine/ Xylazine Mixture. *Scientific Reports*. 10(3657): 1-9.
- Clarke, K. W., Trim, C. M., dan Hall, L. W. (2014). *Veterinary Anaesthesia, Eleventh Edition*. Elsevier. China. 5.
- Cohen, S. M. (2024). A Stepwise Approach to Patients with Abnormal Liver Enzymes. *Gastroenterology & Endoscopy News*. January 3: 1-12.
- Drug Enforcement Administration. (2023). *Xylazine*. Drug Enforcement Administration. US. 1.
- Dugdale, A. H. A., Beaumont, G., Bradbrook, C., dan Gurney, M. (2020). *Veterinary Anaesthesia: Principles to Practice, Second Edition*. Wiley Blackwell. USA. 1-4, 43, 64-65.
- Dwiningrum, K. M., Wardhita, A. A. G. J., dan Pemayun, I. G. A. G. P. (2016). Perubahan Klinik Pada Anjing Lokal Selama Teranestesi Ketamin Dengan Berbagai Dosis Premedikasi Xilazin Secara Subkutan. *Indonesia Medicus Veterinus*. 5(3): 215-225.
- Edmunds, M. W. (2012). *Introduction to Clinical Pharmacology, 7<sup>th</sup> Edition*. Mosby. US. 321.

- Evans, G. O. (2009). *Animal Clinical Chemistry A Practical Guide For Toxicologist and Biomedical Researchers, Second Edition*. CRC Press. US. 22-23, 49.
- Fitriani, N., Rif'ah, M., Aulia, R., dan Hidayat, S. (2021). Studi Literatur Pengaruh Pemberian Beberapa Zat Terhadap Perubahan Struktur Hepar Tikus Putih (*Rattus norvegicus*) dan Mencit (*Mus musculus*). *Jurnal Bio Educatio*. 6(1): 25-29.
- Gaol, R. L., Sudisma, I. G. N., Ardana, I. B. K., dan Sudimartini, L. M. (2016). Gambaran Darah Anjing Yang Diinjeksi Xilasin-Ketamin Secara Subkutan. *Buletin Veteriner Udayana*. 8(1): 99-105.
- Giroux, M. C., Santamaria, R., Helie, P., Burns, P., Beaudry, F., dan Vachon, P. (2016). Physiological, Pharmacokinetic and Liver Metabolism Comparisons Between 3-, 6-, 12- and 18-Month-Old Male Sprague Dawley Rats Under Ketamine-Xylazine Anesthesia. *Exp. Anim*. 65(1): 63-75.
- Grimm, K.A., Lamont, L. A., Tranquilli, W. J., Greene, S. A., dan Robertson, S. A. (2015). *Veterinary Anesthesia and Analgesia, The Fifth Edition of Lumb and Jones*. Wiley Blackwell. USA. 283.
- Hartmann, P. dan Schnabl, B. (2022). Inexpensive, Accurate, and Stable Method to Quantitate Blood Alanine Aminotransferase (ALT) Levels. *Methods and Protocols*. 5(81): 1-13.
- Harvey, R. A. dan Champe, P. C. (2009). Farmakologi Ulasan Bergambar. Penerjemah: Ramadhani, D., Muttaqin, H., Dwijayanthi, L., dan Rachman, L. Y., judul buku asli *Lippincott's Illustrated Reviews: Pharmacology*. Penerbit Buku Kedokteran E.C.G, Jakarta. 157, 159.
- IDEXX. (2013). *Alanine Aminotransferase (ALT)*. IDEXX Laboratories. US.1-3.
- Iqbal, M., Sudadi, dan Ngurah, I. G. (2014). TIVA (*Total Intravenous Anesthesia*). *Jurnal Komplikasi Anestesi*. 2(1): 61-72.
- Kalkan, Y., Tomak, Y., Altuner, D., Tumkaya, L., Bostan, H., Yilmaz, A., Unal, D., Kara, A., dan Turan, A. (2014). Hepatic Effects of Ketamine Administration for 2 Weeks in Rats. *Human and Experimental Toxicology*. 33(1): 32-40.
- Katzung, B. G., Masters, S. B., dan Trevor, A. J. (2012). *Basic & Clinical Pharmacology, 12<sup>th</sup> Edition*. McGraw-Hill. US. 444.
- Kendran, A. A. S., Arjana, A. A. G., dan Pradnyantari, A. A. S. I. (2017). Aktivitas Enzim Alanine-Aminotransferase dan Aspartate Aminotransferase pada Tikus Putih Jantan yang Diberi Ekstrak Buah Pinang. *Buletin Veteriner Udayana*. 9(2): 132-138.
- Kinanthi, E. L. A. (2013). *Aktivitas Enzim Alanin Aminotransferase Pada Jaringan Paru Tikus yang Diinduksi Hipoksia Sistemik*. Skripsi. Fakultas Kedokteran, Universitas Indonesia, Jakarta.

- Kramer, J. W. dan Hoffmann, W. E. (1997). Clinical Enzymology. In: *Clinical Biochemistry of Domestic Animals Fifth Edition*. Kaneko, J. J., Harvey, J. W., and Bruss, M. L. Academic Press. New York. 318-319.
- Krissanti, I., Hanifa, R., dan Dwiwina. (2023). Efektivitas dan Pengaruh Kombinasi Anestesi Ketamine-Xylazine pada Tikus (*Rattus norvegicus*). *SEMABIO*. 18: 245-252.
- Kurdi, M. S., Theerth, K. A., dan Deva, R. S. (2014). Ketamine: Current applications in anesthesia, pain, and critical care. *Anesthesia: Essays and Researches*. 8(3): 283-190.
- Kurniasiwi, P., Roosmarinto, dan Hendarta, N. Y. (2023). Gambaran Hasil Pemeriksaan Aktivitas Enzim Alanine Aminotransferase (ALT) Pada Serum Setelah Disimpan Selama 14 Hari. *Borneo Journal of Medical Laboratory Technology (BJMLT)*. 5(2): 316-319.
- Liu, Z., Que, S., Xu, J., dan Peng, T. (2014). Alanine Aminotransferase-Old Biomarker and New Concept: A Review. *International Journal of Medical Sciences*. 11(9): 925-935.
- Madania, R. N., Jayawardhita, A. A. G., dan Kendran, A. A. S. (2019). Aktivitas Alanine Aminotransferase dan Aspartate Aminotransferase pada Anjing Penderita Transmissible Venereal Tumor yang Diobati dengan Vincristine. *Indonesia Medicus Veterinus*. 8(3): 366-375.
- Maddison, J. E., Page, S. W., dan Church. (2008). *Small Animal Clinical Pharmacology, Second Edition*. Elsevier. China. 97, 105-106.
- Malaca, S., Pesaresi, M., Kapoor, A., Berretta, P., Busardo, F. P., dan Pirani, F. (2023). Pharmacology and Toxicology of Xylazine: quid novum?. *European Review for Medical and Pharmacological Sciences*. 27: 7337-7345.
- Marini, R. P., Li, X., Harpster, N. K., dan Dangler, C. (1999). Cardiovascular Pathology Possibly Associated with Ketamine/Xylazine Anesthesia in Dutch Belted Rabbits. *Laboratory Animal Science*. 49(2): 153-160.
- Maryatmo, M. A., Rosetyadewi, A. W., Septana, A. I., dan Wijayanti, A. D. (2022). Potensi Anestetika Ket-A-Xyl® pada Kucing Jantan Domestik di Yogyakarta Indonesia. *Jurnal Sain Veteriner*. 40(3): 276-283.
- Masola, A.B.C. P., Panda, A. L., dan Kawengian, V. (2016). Hubungan Gagal Jantung dan Gangguan Fungsi Hati. *Jurnal e-Clinic (eCI)*. 4(2).
- Mechelinck, M., Kupp, C., Kruger, J. C., Habigt, M. A., Helmedag, M. J., Tolba, R. H., Rossaint, R., dan Hein, M. (2019). Oxygen Inhalation Improves Postoperative Survival in Ketamine-Xylazine Anaesthetised Rats: An Observational Study. *Plos One*. 14(12): 1-14.
- Morgan, R. V. (2008). *Handbook of Small Animal Practice*. Elsevier. USA. 1271.

- Muir, W. W., Hubbel, J. A. E., Bednarski, R., dan Lerche. (2013). *Handbook of Veterinary Anesthesia, Fifth Edition*. Elsevier. USA. 161.
- Ndolu, S. M. B., Utami, T., dan Simarmata, Y. T. R. M. R. (2023). Literature Study of Implementation Castration in Dogs. *Jurnal Veteriner Nusantara*. 6(34): 1-13.
- Noppers, I., Niesters, M., Swartjes, M., Bauer, M., Aarts, L., Geleijnse, N., Mooren, R., Dahan, A., dan Sarton, E. (2011). Absence of Long-Term Analgesic Effect From A Short-Term S-Ketamine Infusion on Fibromyalgia Pain: A Randomized, Prospective, Double Blind, Active Placebo-Controlled Trial. *European Journal of Pain*. 15(9):942-949.
- Nurmandari, I., Nuryani, S., dan Supriyanta, B. (2019). Pengaruh Hemolisis Dalam Serum Terhadap Aktivitas Enzim Alanin Aminotransferase (ALT). *Jurnal Labora Medika*. 41-44.
- Pemayun, I. G. A. G. P., Sindhu, I. G. A. W., dan Wardhita, A. A. G. J. (2018). Waktu Induksi, Durasi dan Pemulihan Anestesi Ketamin dengan Berbagai Dosis Premedikasi Xilazin secara Subkutan pada Anjing Lokal. *Indonesia Medicus Veterinus*. 7(6): 652-663.
- Plumb, D. C. (2008). *Plumb's Veterinary Drug Handbook, Sixth Edition*. Blackwell Publishing. Iowa. 513-515, 936-937.
- Rahmiati, D. U., Wismandanu, O., dan Anggaeni, T. K. (2020). Kontrol Populasi dengan Kegiatan Sterilisasi Kucing Liar di Lingkungan UNPAD. *Jurnal Aplikasi Ipteks untuk Masyarakat (Dharmakarya)*. 9(2): 114-116.
- Rock, A. H. (2007). *Veterinary Pharmacology, A Practical Guide for the Veterinary Nurse*. Elsevier. USA. 41.
- Rosenfeld, A. J. dan Dial, S. M. (2010). *Clinical Pathology for the Veterinary Team*. Wiley Blackwell. USA. 99-100.
- Rosida, A. (2016). Pemeriksaan Laboratorium Penyakit Hati. *Berkala Kedokteran*. 12(1): 123-131.
- Ruiz-Colon, K., Chavez-Arias, C., Diaz-Alcala, J.E., dan Martinez, M. A. (2014). Xylazine Intoxication in Humans and Its Importance as an Emerging Adulterant in Abused Drugs: A Comprehensive Review of The Literature. *Forensic Science International*. 240: 1-8.
- Salasia, S. I. O. dan Hariono, B. (2010). *Patologi Klinik Veteriner: Kasus Patologi Klinis*. Samudra Biru. Yogyakarta. 109-114.
- Sancak, T. (2023). The Effects of Repeated Doses of Xylazine-Ketamine and Medetomidine-Ketamine Anesthesia on DNA Damage in the Liver and Kidney. *Acta Cirúrgica Brasileira*. 38: 1-9.
- Sardjana, I. K. W. dan Kusumawati, D. (2004). *Anestesi Veteriner Jilid 1*. Gadjah Mada University Press. Yogyakarta. 1-3, 17, 49-50, 59-65.

- Sayuti, A., Maulizar, R., Syafruddin, Erwin, Frengky, Muttaqien, Panjaitan, B., dan Zuraidawati. (2016). Efek Penggunaan Ketamin-Xilazin dan Propofol Terhadap Denyut Jantung dan Pernafasan Pada Anjing Jantan Lokal (*Canis familiaris*). *Jurnal Medika Veterinaria*. 10(1): 34-36.
- Sijid, S. A., Muthiadin, C., Zulkarnain, Hidayat, A. S., dan Amelia, R. R. (2020). Pengaruh Pemberian Tuak Terhadap Gambaran Histopatologi Hati Mencit (*Mus musculus*) ICR Jantan. *Jurnal Pendidikan Matematika dan IPA*. 11(1): 193-205.
- Uney, K., Yuksel, M., Corum, D. D., Coskun, D., Turk, E., Dingil, H. B., dan Corum, O. (2023). Effect of Xylazine on Pharmacokinetics and Physiological Efficacy of Intravenous Carprofen in Castrated Goats Kids. *Animals*. 13(2700): 1-12.
- Veilleux-Lemieux, D., Castel, A., Carrier, D., Beaudry, F., dan Vchon, P. (2013). Pharmacokinetics of Ketamine and Xylazine in Young and Old Sprague–Dawley Rats. *Journal of the American Association for Laboratory Animal Science*. 52(2): 567-570.
- Veterini, A. S. (2021). *Buku Ajar Teknik Anestesi Umum*. Airlangga University Press. Surabaya. 4.
- Vutskits, L., Gascon, E., dan Kiss, J. Z. (2007). Effects of Ketamine on The Developing Central Nervous System. *Összefoglaló Közlemény*. 60(3-4): 109-112.
- Wahdan, R. A. M., Ahemd, S. M. A., Ali, M. S., Ibrahim, M. M., dan Mohamed, H. E. (2016). The Acute Effect of Ketamine on The Liver of Adult Male Albino Rats Histological and Immunohistochemical Study. *Anesthesia & Analgesia*. 123(3): 101-102.
- Washington, I. M. dan Hoosier, G. V. (2012). Clinical Biochemistry and Hematology. In: *The Laboratory Rabbit, Guinea Pig, Hamster, and Other Rodents*. Suckow, M. A., Stevens, K. A., and Wilson, R. P. Elsevier. USA. 63.
- Wai, M. S. M., Chan, W. M., Zhang, A. Q., Wu, Y., dan Yew, D. T. (2012). Long-Term Ketamine and Ketamine Plus Alcohol Treatments Produced Damages in Liver and Kidney. *Human and Experimental Toxicology*. 31(9): 877-886.
- Weiss, D. J. (2004). Test For Evaluation of Liver Disease. In: *Veterinary Clinical Pathology Secrets*. Cowell, R. L. Elsevier. USA. 169-170.
- Widyawati, R. dan Ayomi, B. D. S. (2015). The Comparison of Ketamine, Xylazine and Ketamine-Xylazine Combination to Rat (*Rattus norvegicus*). *VITEK*. 5: 42-45.
- Wong, G. L. H., Tam, Y. H., Ng, C. F., Chan, A. W. H., Choi, P. C. L., Chu, W. C. W., Lai, P. B. S., Chan, H. L. Y., dan Wong, V. W. S. (2014). Liver Injury Is

Common Among Chronic Abusers of Ketamine. *Clinical Gastroenterology and Hepatology*. 12(10): 1759-1762.

Wright, J. G. dan Hall, L. W. (1961). *Veterinary Anaesthesia and Analgesia, Fifth Edition*. Baillere, Tindall and Cox Ltd. London. 146.

Yohannes, G. (2018). Hematological and Physiological Effects of Ketamine with and without Xylazine in Dogs. *International Journal of Cell Science & Molecular Biology*. 5(1): 17-23.

Yusuf, M. C., Syafruddin, dan Roslizawaty. (2018). Pengaruh Ketamin-Xylazin Terhadap Onset dan Sedasi Kucing Lokal (*Felis catus*) yang Diovariohisterektomi. *JIMVET*. 2(4): 599-603.

Zhu, X., Kohan, L. R., dan Goldstein, R. B. (2020). Substantial Elevation of Liver Enzymes During Ketamine Infusion: A Case Report. *International Anesthesia Research Society*. 14(8): 1-4.