

DAFTAR PUSTAKA

- Ambrose, P. J., Tsourounis, C., Olander, R., & Uryasz, F. (2010) 'Characteristics of drug and dietary supplement inquiries by college athletes', *Sports health*, 2(1), 12–18. Available at: <https://doi.org/10.1177/1941738109347978>
- Ambardini, R.L., Kushartanti, W., Arovah, N.I., Rahayu, A., Yuniana, R. (2021) '*Buku Saku: Anti-Doping (Panduan bagi Atlet, Pelatih dan Praktisi Olahraga untuk Mencegah Doping)*', CV Mine. ISBN: 978-623-7550-82-2
- Beta2-Agonists* (2024b). Available at : <https://pubmed.ncbi.nlm.nih.gov/31194406/>.
- Bilard, J., Ninot, G., & Hauw, D. (2011) 'Motives for illicit use of doping substances among athletes calling a national antidoping phone-help service: an exploratory study', *Substance use & misuse*, 46(4), 359–367. Available at: <https://doi.org/10.3109/10826084.2010.502553>
- Brack, G., Penny, F., & Jill, C. (2013) 'Pharmaceutics and Routes of Drug Administration', *Oxford Publishing*. In: *Medicines management for nursing practice: Pharmacology, patient safety, and procedures*, 70-81, ISBN: 9780199697878. Available at: <https://doi.org/10.1093/oso/9780199697878.003.0010>
- Badan POM. (2023) 'Profil BPOM'. Available at: <https://www.pom.go.id/profil>
- Badan POM. (2015) 'Pedoman Umum'. Available at: <http://pionas.pom.go.id/ioni/pedoman-umum>
- Billington, C. K., Penn, R. B., & Hall, I. P. (2017). β_2 Agonists. *Handbook of experimental pharmacology*, 237, 23–40. Available at : https://doi.org/10.1007/164_2016_64
- Chan, D. K. C., Tang, T. C. W., Yung, P. S., Gucciardi, D. F., & Hagger, M. S. (2019) 'Is unintentional doping real, or just an excuse?', *British journal of sports medicine*, 53(15), 978–979. Available at: <https://doi.org/10.1136/bjsports-2017-097614>
- Carruthers, S.G. (1980). Duration of drug action. *American Family Physician*, [online] 21(2), pp.119–126. Available at: <https://pubmed.ncbi.nlm.nih.gov/7352385/>[Accessed 6 Nov. 2022].
- Dascombe, B.J., Karunaratna, M., Cartoon, J., Fergie, B. and Goodman, C. (2010). Nutritional supplementation habits and perceptions of elite athletes within a state-based sporting institute. *Journal of Science and Medicine in Sport*, 13(2), pp.274–280. doi: <https://doi.org/10.1016/j.jsams.2009.03.005>
- DepKes RI. (2007) 'Pedoman Penggunaan Obat Bebas dan Bebas Terbatas', Jakarta: Departemen Kesehatan RI. Available at: <https://farmalkes.kemkes.go.id/?p=3602>
- Direktorat Jenderal Pelayanan Kesehatan (no date). Available at: https://yankes.kemkes.go.id/view_artikel/1433/asma.
- Drugbank Online. (2023) 'Database for Drug and Drug Target Info' Available at: <https://go.drugbank.com/>
- European Commission, Directorate-General for Education, Youth, Sport and Culture. (2018) 'Study on the economic impact of sport through sport satellite accounts', *Publications Office of the European Union*. Available at: <https://dx.doi.org/10.2766/963129>

- Enhancement of exercise performance with inhaled albuterol (1988). Available at : <https://pubmed.ncbi.nlm.nih.gov/3293733/>.
- Greenbaum, D. H., McLachlan, A. J., Roubin, R. H., Moles, R., & Char, B. B. (2023) 'Examining pharmacists' anti-doping knowledge and skills in assisting athletes to avoid unintentional use of prohibited substances', *The International journal of pharmacy practice*, 31(3), 290–297. Available at: <https://doi.org/10.1093/ijpp/riad015>
- Goyal, N., Vohra, T., & Hurst, G. M. (2023) 'The Jackson 5 System for Creating Rank Order Lists: Easy as A-B-C, 1-2-3', *Journal of graduate medical education*, 15(3), 394–395. Available at: <https://doi.org/10.4300/JGME-D-22-00776.1>
- Gjelstad, A., Tine Marie Herlofsen, Bjerke, A.-L., Lauritzen, F. and Ingunn Björnsdottir (2023). Use of pharmaceuticals amongst athletes tested by Anti-Doping Norway in a five-year period. *PubMed*, 5. doi: <https://doi.org/10.3389/fspor.2023.1260806>
- Hallare, J., & Gerriets, V. (2023) 'Half Life', In: *StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing*. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK554498/>
- Horde, G.W., & Gupta, V. (2023) 'Drug Clearance', In: *StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing*. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK557758/>
- Hostrup, M. *et al.* (2023) 'Asthma and exercise-induced bronchoconstriction in athletes: Diagnosis, treatment, and anti-doping challenges,' *Scandinavian Journal of Medicine and Science in Sports*, 34(1). Available at : <https://doi.org/10.1111/sms.14358>.
- IADO. (2023) 'Anti-Doping Case Disclosure'. Available at: <https://iado.id/h/index.php/en/public-disclosure/>
- IADO. (2023) 'Exemption Process for Using Athlete / Therapeutic Use Exemption (TUE) – Indonesia Anti-Doping Organization (IADO)'. Available at: <https://iado.id/h/index.php/id/tue-2/>
- Kemenpora RI. (2023) 'Usulan RKA-K/L TA 2024 Kemenpora Disetujui Komisi X DPR RI, Menpora Dito Ucapkan Terima Kasih,' Available at: <https://www.kemenpora.go.id/detail/4210/usulan-rka-k-l-ta-2024-kemenpora-disetujui-komisi-x-dpr-ri-menpora-dito-ucapkan-terima-kasih>
- Kim, J., & De Jesus, O. (2023) 'Medication Routes of Administration', In: *StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2023 Jan.* Available at: <https://www.ncbi.nlm.nih.gov/books/NBK568677/>
- Kim, S., Chen, J., Cheng, T., Gindulyte, A., He, J., He, S., Li, Q., Shoemaker, B. A., Thiessen, P. A., Yu, B., Zaslavsky, L., Zhang, J., & Bolton, E. E. (2023). PubChem 2023 update. *Nucleic Acids Res.*, 51(D1), D1373–D1380. <https://doi.org/10.1093/nar/gkac956>
- Khajotia, R. (2008) *Exercise-Induced Asthma: Fresh insights and an Overview*. Available at : <https://pmc.ncbi.nlm.nih.gov/articles/PMC4267026/>.
- Kozhuharov, V. R., Ivanov, K., & Ivanova, S. (2022), 'Dietary Supplements as Source of Unintentional Doping', *BioMed research international*, 2022, 8387271. Available at: <https://doi.org/10.1155/2022/8387271>
- Lauritzen, F. (2022) 'Dietary Supplements as a Major Cause of Anti-doping Rule Violations', *Frontiers in sports and active living*, 4, 868228. Available at: <https://doi.org/10.3389/fspor.2022.868228>



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ERINGKATAN RISIKO OBAT BETA-2 AGONIST TERDAFTAR BPOM YANG MENGANDUNG
SUBSTANSI TERLARANG MENURUT

WORLD ANTI DOPING CODE INTERNATIONAL STANDARD PROHIBITED LIST BAGI ATLET

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- Lee, S. Y., Park, J. H., Yoon, J., & Lee, J. Y. (2023) 'A Validation Study of a Deep Learning-Based Doping Drug Text Recognition System to Ensure Safe Drug Use among Athletes', *Healthcare (Basel, Switzerland)*, 11(12), 1769. Available at: <https://doi.org/10.3390/healthcare11121769>
- Ljungqvist, A. (2017) 'Brief History of Anti-Doping', *Medicine and sport science*, 62, 1–10. Available at: <https://doi.org/10.1159/000460680>
- Mottram, D., Chester, N., Atkinson, G., & Goode, D. (2008) 'Athletes' knowledge and views on OTC medication', *International journal of sports medicine*, 29(10), 851–855. Available at: <https://doi.org/10.1055/s-2008-1038403>
- Morente-Sánchez, J., & Zabala, M. (2013) 'Doping in sport: a review of elite athletes' attitudes, beliefs, and knowledge', *Sports medicine (Auckland, N.Z.)*, 43(6), 395–411. Available at: <https://doi.org/10.1007/s40279-013-0037-x>
- Mahendru, D., Kumar, S., Prakash, A., & Medhi, B. (2019) 'Drugs in sport: The curse of doping and role of pharmacologist', *Indian journal of pharmacology*, 51(1), 1–3. Available at: https://doi.org/10.4103/ijp.IJP_143_19
- Menkes RI. (1993) 'Peraturan Menteri Kesehatan Nomor 917/MENKES/PER/X/1993 tentang Wajib Daftar Obat Jadi'.
- Mountjoy, M., Fitch, K., Boulet, L.-P., Bougault, V., van Mechelen, W. and Verhagen, E. (2015). Prevalence and characteristics of asthma in the aquatic disciplines. *Journal of Allergy and Clinical Immunology*, [online] 136(3), pp.588–594. doi: <https://doi.org/10.1016/j.jaci.2015.01.041>
- National Institutes of Health. (2019). 'LiverTox: Clinical and Research Information on Drug-Induced Liver Injury. Adverse Drug Reaction Probability Scale (Naranjo) in Drug Induced Liver Injury', *National Institute of Diabetes and Digestive and Kidney Diseases*. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK548069/>
- Pimple, A.P., Kudal, V.S., Sanap, G.S., & Murkute, P.S. (2022) 'A Review: Routes of Drug Administration with Their Recent Advances', *International Journal of Creative Research Thoughts (IJCRT)*, 10 (2), 421-432, ISSN: 2320-2882. Available at: <http://doi.one/10.1729/Journal.29350>
- Salpeter, S.R. (2004) 'Cardiovascular Safety of beta(2)-Adrenoceptor Agonist Use in Patients with Obstructive Airway Disease,' *Drugs & Aging*, 21(6), pp. 405–414. Available at : <https://doi.org/10.2165/00002512-200421060-00005>.
- Sunarno, A. (2017) 'PENIPUAN DALAM OLAHRAGA,' *Jurnal Ilmu Keolahragaan*, 13(2), pp. 1–6. Available at : <https://doi.org/10.24114/jik.v13i2.6088>.
- Sepriani, R., Bafirman, & Mudjiran. (2023) 'Web-based anti-doping education: A needs analysis for achievement sport athletes', *Journal Sport Area*, 8(1), 34-42. Available at: [https://doi.org/10.25299/sportarea.2023.vol8\(1\).10457](https://doi.org/10.25299/sportarea.2023.vol8(1).10457)
- Sears, M.R. (2002) 'Adverse effects of β -agonists,' *Journal of Allergy and Clinical Immunology*, 110(6), pp. S322–S328. Available at : <https://doi.org/10.1067/mai.2002.129966>.
- Van Baak, M.A. *et al.* (2004) 'Inhaled salbutamol and endurance cycling performance in Non-Asthmatic athletes,' *International Journal of Sports Medicine*, 25(7), pp. 533–538. Available at : <https://doi.org/10.1055/s-2004-815716>.

- World Anti-Doping Agency. (2021) 'World Anti-Doping Code 2021.' Available at: <https://www.wada-ama.org/en/resources/world-anti-doping-program/world-anti-doping-code>
- World Anti-Doping Agency. (2022) '2021 Annual Report: Raising the Game.' Available at: <https://www.wada-ama.org/en/resources/annual-report>
- World Anti-Doping Agency. (2023) 'International Standard for Therapeutic Use Exemptions (ISTUE).' Available at: <https://www.wada-ama.org/en/resources/world-anti-doping-program/international-standard-therapeutic-use-exemptions-istue>
- World Anti-Doping Agency. (2023) 'ISTI Guidelines for Sample Collection.' Available at: <https://www.wada-ama.org/en/resources/world-anti-doping-program/isti-guidelines-sample-collection>
- World Anti-Doping Agency. (2023) 'Therapeutic Use Exemptions.' Available at: <https://www.wada-ama.org/en/what-we-do/science-medicine/therapeutic-use-exemptions>
- World Anti-Doping Agency. (2023) 'World Anti-doping Code International Standard Prohibited List 2024.' Available at: <https://www.wada-ama.org/en/resources/world-anti-doping-program/2024-prohibited-list>
- Wada (2024). *WORLD ANTI-DOPING CODE INTERNATIONAL STANDARD PROHIBITED LIST 2024*. [online] Available at: https://www.wada-ama.org/sites/default/files/2023-09/2024list_en_final_22_september_2023.pdf.
- Wishart, D. S., *et al.* (2018). DrugBank 5.0: a major update to the DrugBank database for 2018. *Nucleic acids research*, 46(D1), D1074–D1082. Available at: <https://doi.org/10.1093/nar/gkx1037>
- Zeitlinger, M. A., *et al.* (2011) 'Protein binding: do we ever learn?', *Antimicrobial agents and chemotherapy*, 55(7), 3067–3074. Available at: <https://doi.org/10.1128/AAC.01433-10>