

DAFTAR PUSTAKA

1. Schieber M, Chandel NS. ROS function in redox signaling and oxidative stress. *Curr Biol.* 2014;24(10):R453–62.
2. Birben E, Sahiner UM, Sackesen C, Erzurum S, Kalayci O. Oxidative stress and antioxidant defense. *World Allergy Organ J.* 2012;5(1):9–19.
3. Noori S. An Overview of Oxidative Stress and Antioxidant Defensive System. *J Clin Cell Immunol.* 2012;01(08):1–9.
4. Krishnamurthy P, Wadhwani A. Antioxidant Enzymes and Human Health. *Antioxid Enzym.* 2012;3–18.
5. Nandi A, Yan LJ, Jana CK, Das N. Role of catalase in oxidative stress-and age-associated degenerative diseases. *Oxidative medicine and cellular longevity,* 2019.. *Oxid Med Cell Longev.* 2019;2019:1–19.
6. Khangholi S, Majid FAA, Berwary NJA, Ahmad F, Aziz RBA. The Mechanisms of Inhibition of Advanced Glycation End Products Formation through Polyphenols in Hyperglycemic Condition. *Planta Med.* 2015;82(1–2):32–45.
7. Alshammari TM. Patient's medicinal knowledge in Saudi Arabia: Are we doing well? *Saudi Pharm J.* 2016;24(5):560–2.
8. Hosseinpour-Niazi S, Mirmiran P, Abd-Mishani M, Azizi F. Effect of dairy products on oxidative stress in type 2 diabetic patients: A randomized controlled clinical trial. *Nutr Clin Metab.* 2019;33(3):212–6.
9. Cheng HC, Chang TK, Su WC, Tsai HL, Wang JY. Narrative review of the influence of diabetes mellitus and hyperglycemia on colorectal cancer risk and oncological outcomes. *Transl Oncol.* 2021;14(7):101089.
10. Harris CS, Beaulieu LP, Fraser MH, McIntyre KL, Owen PL, Martineau LC, et al. Inhibition of advanced glycation end product formation by medicinal plant extracts correlates with phenolic metabolites and antioxidant activity. *Planta Med.* 2011;77(2):196–204.
11. Zhao H, Li J, Zhang J, Wang X, Hao L, Jia L. Purification, in vitro antioxidant and in vivo anti-aging activities of exopolysaccharides by Agrocybe cylindracea. *Int J Biol Macromol.* 2017;102:351–7.

12. Coria-Téllez A V., Montalvo-Gómez E, Yahia EM, Obledo-Vázquez EN. *Annona muricata: A comprehensive review on its traditional medicinal uses, phytochemicals, pharmacological activities, mechanisms of action and toxicity.* Arab J Chem. 2018;11(5):662–91.
13. Glorieux C, Calderon PB. Catalase, a remarkable enzyme: Targeting the oldest antioxidant enzyme to find a new cancer treatment approach. Biol Chem. 2017;398(10):1095–108.
14. Muqsita V, Sakinah EN, Santosa A. Efek Ekstrak Etanol Kayu Manis (*Cinnamomum burmannii*) terhadap Kadar MDA Ginjal pada Tikus Wistar Hiperglikemi. e-Jurnal Pustaka Kesehatan. 2015;3(2):235–8.
15. Parwata IMO, Manuaba IBP, Yasa IWPS, Wita IW. Gaharu Leaf Extract Water Reduce MDA and 8-OHdG Levels and Increase Activities SOD and Catalase in Wistar Rats Provided Maximum Physical Activity. Bali Med J. 2016;5(3):79.
16. Wahdaningsih S, Untari EK. Pengaruh Pemberian Fraksi Metanol Kulit Buah Naga Merah (*Hylocereus polyrhizus*) Terhadap Kadar Malondialdehid Pada Tikus (*Rattus norvegicus*) Wistar Yang Mengalami Stres Oksidatif. Res Artic Nomor. 2016;3(1):45–55.
17. Rus A, Molina F, Martínez-Ramírez MJ, Aguilar-Ferrández ME, Carmona R, Moral ML Del. Effects of olive oil consumption on cardiovascular risk factors in patients with fibromyalgia. Nutrients. 2020;12(4):1–13.
18. Cahyani WU, Darmawan A, Suci D margi. Suplementasi Ekstrak Asam Kandis (*Garcinia xanthochymus*) dalam Air Minum terhadap Kadar Malondialdehid Kuning Telur dan Komposisi Kimia Daging dan Telur Puyuh. J Ilmu Nutr dan Teknol Pakan. 2021;19(1):24–9.
19. Armaini A, Dharma A, Salim M. The nutraceutical effect of *Scenedesmus dimorphus* for obesity and nonalcoholic fatty liver disease-linked metabolic syndrome. J Appl Pharm Sci. 2020;10(5):70–6.
20. Armaini A, Imelda I. The protective effect of *Scenedesmus dimorphus* polysaccharide as an antioxidant and antiaging agent on aging rat model induced by D-galactose. J Appl Pharm Sci. 2021;11(5):54–63.
21. Giannakopoulos E, Salachas G, Zisimopoulos D, Barla SA, Kalaitzopoulou

- E, Papadea P, et al. Long-Term Preservation of Total Phenolic Content and Antioxidant Activity in Extra Virgin Olive Oil: A Physico-biochemical Approach. *Free Radicals Antioxidants*. 2020;10(1):04–9.
22. Husna F, Suyatna FD, Aroza W, Purwaningsih EH. Model Hewan Coba pada Penelitian Diabetes Animal Model in Diabetes Research. *Mini Rev Artic Pharm Sci Res*. 2019;6(3):131–41.
23. Ighodaro OM, Akinloye OA. First line defence antioxidants-superoxide dismutase (SOD), catalase (CAT) and glutathione peroxidase (GPX): Their fundamental role in the entire antioxidant defence grid. *Alexandria J Med [Internet]*. 2018;54(4):287–93.
24. Mirończuk-Chodakowska I, Witkowska AM, Zujko ME. Endogenous non-enzymatic antioxidants in the human body. *Adv Med Sci*. 2018;63(1):68–78.
25. Ore A, Akinloye OA. Oxidative stress and antioxidant biomarkers in clinical and experimental models of non-alcoholic fatty liver disease. *Med*. 2019;55(2).
26. Marrocco I, Altieri F, Peluso I. Measurement and Clinical Significance of Biomarkers of Oxidative Stress in Humans. *Oxid Med Cell Longev*. 2017;2017.
27. Prawitasari DS. Schleiss, M.R., 2007. Infectious Disease: Antibiotic Therapy. Nelson Textbook Of Pediatrics. 18th ed. Elsevier. 2019;1(1):47–51.
28. Nowotny K, Jung T, Höhn A, Weber D, Grune T. Advanced glycation end products and oxidative stress in type 2 diabetes mellitus. *Biomolecules*. 2015;5(1):194–222.
29. Ghosh A, Misra A. Since January 2020 Elsevier has created a COVID-19 resource centre with free information in English and Mandarin on the novel coronavirus COVID- 19 . The COVID-19 resource centre is hosted on Elsevier Connect , the company ’ s public news and information . 2020;(January):2020–2.
30. Atlas IDFD. International Diabetes Federation. Vol. 266, *The Lancet*. 1955. 134–137.
31. Classification and diagnosis of diabetes. *Diabetes Care*. 2015;38(January):S8–16.

32. Lenzen S. The mechanisms of alloxan- and streptozotocin-induced diabetes. *Diabetologia*. 2008;51(2):216–26.
33. Szkudelski T. The mechanism of alloxan and streptozotocin action in B cells of the rat pancreas. *Physiol Res*. 2001;50(6):537–46.
34. Shahidi F, Zhong Y. Measurement of antioxidant activity. *J Funct Foods* et]. 2015;18:757–81.
35. Rizkiyah M, Oktiani BW, Wardani IK. Prevalensi Dan Analisis Faktor Risiko Kejadian Gingivitis Dan Periodontitis Pada Pasien Diabetes Melitus (Literature Review). *Dentin*. 2021;5(1):32–6.
36. Stephenie S, Chang YP, Gnanasekaran A, Esa NM, Gnanaraj C. An insight on superoxide dismutase (SOD) from plants for mammalian health enhancement. *J Funct Foods* . 2020;68(March):103917.
37. Pérez-Torres I, Soto ME, Castrejón-Tellez V, Rubio-Ruiz ME, Manzano Pech L, Guarner-Lans V. Oxidative, reductive, and nitrosative stress effects on epigenetics and on posttranslational modification of enzymes in cardiometabolic diseases. *Oxid Med Cell Longev*. 2020;2020.
38. Munjiati NE. Pengaruh Pemberian Streptozotocin Dosis Tunggal terhadap Kadar Glukosa Tikus Wistar (*Rattus norvegicus*). *Meditory J Med Lab*. 2021;9(1):62–7.
39. Sharapov MG, Goncharov RG, Gordeeva AE, Novoselov VI, Antonova OA, Tikhaze AK, et al. Enzymatic antioxidant system of endotheliocytes. *Dokl Biochem Biophys*. 2016;471(1):410–2.
40. Loffredo L, Perri L, Nocella C, Violi F. Antioxidant and antiplatelet activity by polyphenol-rich nutrients: focus on extra virgin olive oil and cocoa. *Br J Clin Pharmacol*. 2017;83(1):96–102.
41. Donat-Vargas C, Sandoval-Insausti H, Peñalvo JL, Moreno Iribas MC, Amiano P, Bes-Rastrollo M, et al. Olive oil consumption is associated with a lower risk of cardiovascular disease and stroke. *Clin Nutr*. 2022;41(1):122–30.
42. Zulaikhah ST. The Role of Antioxidant to Prevent Free Radicals in The Body. *Sains Med*. 2017;8(1):39.
43. Basdeki E, Salis C, Hagidimitriou M. The effects of Mediterranean diet and

- EVOO consumption in relation to human health. *Not Sci Biol.* 2020;12(3):466–85.
44. Yubero-Serrano EM, Lopez-Moreno J, Gomez-Delgado F, Lopez-Miranda J. Extra virgin olive oil: More than a healthy fat. *Eur J Clin Nutr.* 2019;72:8–17.
 45. Eneh FU, Nwenyi V. Inflammatory and Lipd Peroxidationeffects of Canola Oil , Extra Virgin Olive Oil , and Sunflower Oil on Albino Rats Fed With the Oils Inflammatory and Lipd Peroxidationeffects of Canola Oil , Extra Virgin Olive Oil , and Sunflower Oil on Albino Rats Fed W. 2020;(July).
 46. de Souza PAL, Marcadenti A, Portal VL. Effects of olive oil phenolic compounds on inflammation in the prevention and treatment of coronary artery disease. *Nutrients.* 2017;9(10).
 47. Summerhill V, Karagodin V, Grechko A, Myasoedova V, Orekhov A. Vasculoprotective Role of Olive Oil Compounds via Modulation of Oxidative Stress in Atherosclerosis. *Front Cardiovasc Med.* 2018;5(December):1–10.
 48. Estruch R, Lamuela-Raventós RM, Ros E. The Bitter Taste of Extra Virgin Olive Oil for a Sweet Long Life. *J Am Coll Cardiol.* 2020;75(15):1740–2.
 49. Cicerale S, Lucas L, Keast R. Biological activities of phenolic compounds present in virgin olive oil. *Int J Mol Sci.* 2010;11(2):458–79.
 50. Fatima K, Rashid AM, Memon UAA, Fatima SS, Javaid SS, Shahid O, et al. Mediterranean Diet and its Effect on Endothelial Function: A Meta-analysis and Systematic Review. *Ir J Med Sci [Internet].* 2023;192(1):105–13.
 51. Pratama RR, Yerizel E, Rahmatini R. Pengaruh Pemberian Aspartam terhadap Kadar Low-Density Lipoprotein dan High-Density Lipoprotein pada Tikus Wistar Diabetes Melitus Diinduksi Aloksan. *J Kesehat Andalas.* 2014;3(3):450–6.
 52. Yuliastuti D, Sari WY, Muna N. Efek pemberian jus buah kelengkeng terhadap kadar gula darah mencit yang diinduksi aloksan. *J Farmasetis Vo.* 2020;9(2):131–8.
 53. Gaforio JJ, Visioli F, Alarcón-De-la-lastra C, Castañer O, Delgado-Rodríguez M, Fitó M, et al. Virgin olive oil and health: Summary of the iii

- international conference on virgin olive oil and health consensus report, JAEN (Spain) 2018. Nutrients. 2019;11(9):1–33.
54. Elabscience, Hydrogen Peroxide (H_2O_2) Fluorometric Assay Kit. www.elabscience.com. 2019.
 55. Ariani. Uji efektifitas antioksidan minyak zaitun terhadap Malondialdehyde (MDA), aktifitas katalase dan Glutathione Peroksidase pada tikus hiperglikemia. Tesis, Universitas Andalas; 2023.



