

DAFTAR PUSTAKA

1. Hafizi A, Hasbie Nf, Febriyani A, Kurniati M. Hubungan Antara Usia Jenis Kelamin Dan Indeks Massa Tubuh Dengan Kejadian Diabetes Mellitus Tipe 2 Di Rumah Sakit Pertamina Bintang Amin Husada. *J Med Malahayati*. 2025;8(4):900–7.
2. Sihotang Rc, Ramadhani R, Tahapary Dl. Efikasi Dan Keamanan Obat Anti Diabetik Oral Pada Pasien Diabetes Melitus Tipe 2 Dengan Penyakit Ginjal Kronik. *J Penyakit Dalam Indones*. 2018;5(3):150.
3. Firdaus, Indah, Isnaini A. “Review” Teh Kombucha Sebagai Minuman Fungsional Dengan Berbagai Bahan Dasar Teh. *Prosding Semin Nas Unimus*. 2020;3(2013):715–30.
4. Faizah, Khairunnisa A, Latifasari N, Kurniawati Ad. Kombucha Dan Sifat Fungsionalnya: Studi Pustaka. *J Sains Dan Teknol Pangan*. 2024;9(5):7729–41.
5. Xu S, Wang Y, Wang J, Geng W. Kombucha Reduces Hyperglycemia In Type 2 Diabetes Of Mice By Regulating Gut Microbiota And Its Metabolites. 2022;
6. Khairurrizki A, Rafsanjani A, Hariadi P. Efek Sinergisme Ekstrak Daun Pegagan (*Centella Asiatica L.*) Dengan Obat Antidiabetik Oral Terhadap Penurunan Kadar Glukosa Darah Puasa Pada Mencit. *Sinteza*. 2022;2(1):19–28.
7. Chandra Ppb. Analisis Berat Badan Mencit (*Mus Musculus*) Kondisi Hiperglikemik Yang Diberikan Sediaan Oral Dan Gel Ekstrak Buah Okra (*Abelmoschus Esculentus L. Moench*). *Medfarm J Farm Dan Kesehat*. 2024;13(2):247–56.
8. Ferdiansyah Mr, Zamzami A, Purwono. Evaluasi Metode Pemetikan Teh (*Camellia Sinensis (L.) O. Kuntze*) Untuk Memproduksi Teh Hijau Di

- Perkebunan Teh Negara Kanaan, Bandung. *Bul Agrohorti*. 2023;10(3):440–9.
9. Suseno R, Surhaini, Setiyandi Nb. Karakteristik Campuranteh Hitam (*Camellia Sinensis*) Dan Daun Kayu Manis (*Cinnamomum Burmannii*). *J Pangan Dan Gizi*. 2023;13(2):70–87.
 10. Chacko Sm, Thambi Pt, Kuttan R, Nishigaki I. Beneficial Effects Of Green Tea: A Literature Review. *Chin Med*. 2010;5:1–9.
 11. Cisneros-Yupanqui M, Lante A. Tea From The Food Science Perspective: An Overview. *Open Biotechnol J*. 2020;14(1):78–83.
 12. Mahmood T, Akhtar N, Khan Ba. The Morphology, Characteristics, And Medicinal Properties Of *Camellia Sinensis*' Tea. *J Med Plants Res*. 2010;4(19):2028–33.
 13. Martono B, Setiyono Rt. Skrining Fitokimia Enam Genotipe Teh Phytochemical Screening Of Six Tea Genotypes. *J Tidp*. 2014;1(2):63–8.
 14. Liem Jl, Herawati Mm. Pengaruh Umur Daun Teh Dan Waktu Oksidasi Enzimatis Terhadap Kandungan Total Flavonoid Pada Teh Hitam (*Camellia Sinesis*). *J Tek Pertan Lampung (Journal Agric Eng*. 2021;10(1):41.
 15. Dewi Anjarsari Ir. Katekin Teh Indonesia : Prospek Dan Manfaatnya. *Kultivasi*. 2016;15(2):99–106.
 16. Zeniusa P, Ramadhian Mr. Efektifitas Ekstrak Etanol Teh Hijau Dalam Menghambat Pertumbuhan *Escherichia Coli*. *J Major*. 2017;7(1):26–30.
 17. Noraida L, Bintang M, Priosoeryanto Bp. N-Hexane Extract And Fraction Of Green Tea As Antiproliferation Of Mcm-B2 Breast Cancer Cells In Vitro. *Curr Biochem*. 2021;6(2):92–105.
 18. Andrade Dka, Wang B, Lima Emf, Shebeko Sk, Ermakov Am, Khramova Vn, Et Al. Kombucha: An Old Tradition Into A New Concept Of A Beneficial, Health-Promoting Beverage. *Foods*. 2025;14(9):1–22.

19. Buckel W. Energy Conservation In Fermentations Of Anaerobic Bacteria. *Front Microbiol.* 2021;12(September):1–16.
20. Multidisiplin K, Sekolah S, Di D, Seraya P. Seminar Nasional (Semnas) Pengabdian Kepada Masyarakat Ke-1 Seminar Nasional (Semnas) Pengabdian Kepada Masyarakat Ke-1. 2024;198–210.
21. Villarreal-Soto Sa, Beaufort S, Bouajila J, Souchard Jp, Taillandier P. Understanding Kombucha Tea Fermentation: A Review. *J Food Sci.* 2018;83(3):580–8.
22. Sri Bulan Nasution, Nikmah Salsabila Pasaribu. Analisis Kadar Etanol Pada Kombucha Tea Biakan Sendiri Berdasarkan Lamanya Waktu Fermentasi. *An-Najat.* 2023;1(4):134–44.
23. Jayabalan R, Malbaša R V., Lončar Es, Vitas Js, Sathishkumar M. A Review On Kombucha Tea-Microbiology, Composition, Fermentation, Beneficial Effects, Toxicity, And Tea Fungus. *Compr Rev Food Sci Food Saf.* 2014;13(4):538–50.
24. Yasser M, Ilham Nm, Amri, Herman B, Ninin A, Ririn Us. Skrining Fitokimia Senyawa Flavonoid, Alkaloid, Saponin, Steroid Dan Terpenoid Dari Daun Kopasanda (*Chromolaena Odorata L.*). *Bid Ilmu Tek Kim Kim Anal Tek Lingkungan, Biokimia Dan Bioproses .* 2022;90–4.
25. Hayat J, Akodad M, Moumen A, Baghour M, Skalli A, Ezrari S, Et Al. Phytochemical Screening, Polyphenols, Flavonoids And Tannin Content, Antioxidant Activities And Ftir Characterization Of *Marrubium Vulgare L.* From 2 Different Localities Of Northeast Of Morocco. *Heliyon.* 2020;6(11).
26. Interleukin- P. Plasma Interleukin- 18 Concentrations Are Elevated In Type 2 Diabetes. 2004;27(1).
27. Wahyuningtias Ds, Fitriana As, Nawangsari D. 297- Pengaruh+Suhu+Dan+Lama+Waktu+Fermentasi+Terhadap+Sifat+Organol

eptik+Dan+Aktivitas+Antioksidan+Teh+Kombucha+Bunga+Telang+(Clitoria+Ternatea+L.). Pharm Genius. 2023;02(03):198–207.

28. Kamelia M, Winandari Op, Supriyadi S, Meirina M. Analisis Kualitas Teh Kombucha Berdasarkan Jenis Teh Yang Digunakan. Org J Biosci. 2023;3(1):17–26.
29. Anggraini Ac, Retnaningrum E. Effectiveness And Quality Of Kombucha Fermented Product With Combination Of Bread Fruit Leaf Tea (*Artocarpus Altilis* (Parkinson) Fosberg) And Lemon (*Citrus Limon* (L.) Burm. F.) Substrates. J Pengolah Pangan. 2023;8(2):97–106.
30. Khasanah Du, Dewi En. Berdasarkan Komposisi Bahan Baku Dan Waktu Fermentasi. J Tek Separasi. 2024;10(9):754–63.
31. Wang X, Wang D, Wang H, Jiao S, Wu J, Hou Y, Et Al. Chemical Profile And Antioxidant Capacity Of Kombucha Tea By The Pure Cultured Kombucha. Lwt [Internet]. 2022;168(April):113931. Available From: <https://doi.org/10.1016/j.lwt.2022.113931>
32. Gultom R, Gulo Sk, Siagian Hs, Medan Ui. Nutrasetikal Sirup Dari Ekstrak Buah Jeruk Kuku Harimau (*Citrus Medica* L.) Serta Uji Aktivitas Antioksidannya Dengan Menggunakan Metode. 2023;7(1):34–55.
33. Hardianto D. Telaah Komprehensif Diabetes Melitus: Klasifikasi, Gejala, Diagnosis, Pencegahan, Dan Pengobatan, J Bioteknologi Biosains Indones. 2021;7(2):304–17.
34. Aldasouqi Sa, Gossain V V. Update On Diabetes Diagnosis: A Historical Review Of The Dilemma Of The Diagnostic Utility Of Glycohemoglobin A1c And A Proposal For A Combined Glucose-A1c Diagnostic Method. Ann Saudi Med. 2012;32(3):229–35.
35. Yati Np, Trijaja B. Diagnosis Dan Tata Laksana Diabetes Melitus Tipe-1 Pada Anak Dan Remajayati, Niken Prita, And Bambang Trijaja. 2017. “Diagnosis Dan Tata Laksana Diabetes Melitus Tipe-1 Pada Anak Dan Remaja.” Ikatan Dokter Anak Indonesia, 1–27. <https://pediatricfkuns.ac.id>

- Ikat Dr Anak Indones [Internet]. 2017;1–27. Available From: <https://Pediatricfkuns.Ac.Id/Data/Ebook/Panduan-Praktik-Klinis-Diagnosis-Dan-Tata-Laksana-Diabetes-Melitus-Tipe-1-Anak-Remaja.Pdf>
36. Restyana N. Restyana Noor F|Diabetes Melitus Tipe 2 Diabetes Melitus Tipe 2. *J Major* |. 2015;4:93–101.
 37. Adli Fk. Diabetes Melitus Gestasional : Diagnosis Dan Faktor Risiko. *J Med Utama*. 2021;03(01):1545–51.
 38. Almasdy D, Sari Dp, Suhatri S, Darwin D, Kurniasih N. Evaluasi Penggunaan Obat Antidiabetik Pada Pasien Diabetes Melitus Tipe-2 Di Suatu Rumah Sakit Pemerintah Kota Padang – Sumatera Barat. *J Sains Farm Klin*. 2015;2(1):104.
 39. Marzel R. Terapi Pada Dm Tipe 1. *J Penelit Perawat Prof*. 2020;3(1):51–62.
 40. Nathaniel S, Kahanjak Dn, Mutiasari D. Literature Review : Hubungan Indeks Massa Tubuh Terhadap Kadar Gula Darah Diabetes Melitus Tipe 2. *Galen J Kedokt Dan Kesehat Mhs Malikussaleh*. 2025;4(2):45–60.
 41. Shore Z. Deny. *This Is Not Who We Are*. 2023;97–114.
 42. Mulya Harahap Ri, Rostini T, Suraya N. Pemeriksaan Laboratorium Pada Hemoglobin Terглиkasi (Hb1c) : Review Standarisasi Dan Implementasi Klinis. *Action Res Lit*. 2024;8(6):1–10.
 43. Mutia M Sari, Suhartomi. *Buku Monografi Model Hewan Coba Diabetes*. 2022. 68 P.
 44. Yusuf Mmrag, Rorrong Yya, Badaring Dr, Aswanti H, Mz Sma, Nurazizah, Et Al. Percobaan Memahami Perawatan Dan Kesejahteraan Hewan Percobaan. *Jur Biol Fmipa Prgram Stud Biol*. 2022;1–109.
 45. Muttaqien Yv, Purnama Er. Kadar Glukosa Darah Dan Penyembuhan Ulkus Mencit Diabetes Setelah Perlakuan Ekstrak Daun Bakau Bruguiera Gymnorrhiza. *Lentera Bio* [Internet]. 2024;13(1):55–64. Available From: <https://Journal.Unesa.Ac.Id/Index.Php/Lenterabio/Index55>

46. Mutiarahmi Cn, Hartady T, Lesmana R. Use Of Mice As Experimental Animals In Laboratories That Refer To The Principles Of Animal Welfare: A Literature Review. *Indones Med Veterinus*. 2021;10(1):134–45.
47. Cholidah Ai, Danu D, Nurrosyidah Ih. Pengaruh Lama Waktu Fermentasi Kombucha Rosela (*Hibiscus Sabdariffa L .*) Terhadap Aktivitas Antibakteri *Escherichia Coli* Effect Of Fermentation Time Kombucha Rosela (*Hibiscus Sabdariffa L .*) On Antibacterial Activity Of *Escherichia Coli*. 2020;2(3).
48. Egg Pc. Safety Of Fermented Foods. 2024;(September 2023).
49. Ayu D, Sari K, Pujiastuti A. Formulasi Dan Evaluasi Mutu Fisik Sirup Sari Buah Jeruk Nipis (*Citrus Aurantifolia*) Sebagai Antioksidan Alami. 6(2):206–21.
50. Dou Hdh. *Clitoria Ternatea L. (Leguminosae)*. Grow Your Own Med Edible Heal Plants Your Gard. 2024;25–7.
51. Harjanti Rs, Hamami Rs, Kusumawati A, Rizal A, Mustangin M, Suryaningrum Da. Pengaruh Kesegaran Tebu (*Saccharum Officinarum L .*) Pada Kualitas Gula Cetak Merah (Effect Of Freshness Of Sugarcane [*Saccharum Officinarum L .*] On The Quality Of Red Mold Sugar). 2024;12(1):29–40.
52. Cahyaningrum Pl, Made Yuliani Sa, Suta Ibp. Antidiabetic Activity Test Using Amla Fruit (*Phyllanthus Emblica L*) Extract In Alloxan-Induced Balb/C Mice. *J Vocat Heal Stud*. 2019;3(2):53.
53. Sazali A, Yusuf Ai, Maritsa Hu, Sormin Vg, Para R. Artikel Aktivitas Antihiperqlikemia Kombucang (Kombucha Kayu Secang (*Caesalpinia Sappan L .*)) Terhadap Mencit (*Mus Musculus L .*) Yang Diinduksi Aloksan [Antihyperglycemic Activity Of Kombucang (Sappan Wood Kombucha (*Caesalpinia Sappan L .*)) On Mice . 2025;24(April):85–94.
54. Suckow Ma., Danneman Peggy, Brayton Cory. *The Laboratory Mouse*. Crc Press; 2001.

55. Aloulou A, Hamden K, Elloumi D, Ali Mb, Hargafi K, Jaouadi B, Et Al. Hypoglycemic And Antilipidemic Properties Of Kombucha Tea In Alloxan-Induced Diabetic Rats. 2012;
56. Lusiana A, Darma Y, Ningrum A, Putri Cn. Pengaruh Lama Fermentasi Terhadap Aktivitas Antioksidan Pada Variasi The Kombucha Dengan Metode Abts (2 , 2. 2024;1–12.
57. Pt Gunung Subur Sejahtera. Tentang Teh [Internet]. 2017 [Cited 2026 Jan 13]. Available From: <https://www.gss.co.id/id/teh-hijau/>
58. Tian X, Chen S, Zhong Q, Wang J, Chen J, Chen L, Et Al. Widely Targeted Metabolomics Analysis Reveals The Effect Of Cultivation Altitude On Tea Metabolites. 2024;
59. Wang B, Rutherford-Markwick K, Zhang X Xian, Mutukumira An. Kombucha : Production And Microbiological Research †. 2025;1–18.
60. Nm A, Raoul K, Dd Cp, Raymond F, Ty Lr, Darline D, Et Al. Phytochemicals Of Kombucha Extracts (Black And Green Tea) As Potential Therapeutic Agents Against Human Trypanosomiasis And Inflammation. 2025;12(3):1–10.
61. Zhao T, Li C, Wang S, Song X. Green Tea (Camellia Sinensis): A Review Of Its Phytochemistry, Pharmacology, And Toxicology. 2022;
62. Xu R, Bai Y, Yang K, Chen G. Effects Of Green Tea Consumption On Glycemic Control: A Systematic Review And Meta-Analysis Of Randomized Controlled Trials. 2020;1–13.
63. Fauconnier M Laure. Characterization Of Aroma Active Compound Production During Kombucha Fermentation : Towards The Control Of Sensory Profiles. 2023;
64. Rahmawati Lk. Changes In The Quality Of Kombucha During Fermentation : A Study Of Microbial , Physicochemical And Sensory Attributes. 2025;2(2):127–41.

65. Sanwal N, Gupta A, Abdullah M, Sharma N, Sahu Jk. Kombucha Fermentation: Recent Trends In Process Dynamics , Functional Bioactivities , Toxicity Management , And Potential Applications. *Food Chem Adv* [Internet]. 2023;3(January):100421. Available From: <https://doi.org/10.1016/j.focha.2023.100421>
66. Kim H, Jin K, Lee Jy, Yang T Hui, Oh S, Park S, Et Al. Functional Properties Of Hard Kombucha Brewed With Deep Ocean Water Using *Lachanea Thermotolerans*. 2025;1–15.
67. Cohen G, Sela Da. Sucrose Concentration And Fermentation Temperature Impact The Sensory Characteristics And Liking Of Kombucha. 2023;
68. Tran T, Grandvalet C, Winckler P, Verdier F. Shedding Light On The Formation And Structure Of Kombucha Biofilm Using Two-Photon Fluorescence Microscopy. 2021;12(August):1–13.
69. Purwaningtyas Yr, Dwi Y, Cahyaningtyas W. Effect Of Long Fermentation To Titrated Acid Total (Tat) In Lemongrass Kombucha Tea (*Cymbopogon Citratus* (Dc .) Stapf .). 2024;14(April):112–8.
70. May A, Narayanan S, Alcock J, Varsani A, Maley C, Aktipis A. Kombucha : A Novel Model System For Cooperation And Con Fl Ict In A Complex Multi-Species Microbial Ecosystem. 2019;1–22.
71. Lalong Prf, Naben Mn, Laynurak Ym. Functional Beverage Formulation Of Faloak (*Sterculia Quadrifida* R . Br) Stem Bark Kombucha With The Addition Of Lontar Palm Sugar Formulasi Minuman Fungsional Kombucha Kulit Batang Faloak (*Sterculia Quadrifida* R . Br) Dengan Penambahan Gula Aren Lontar. 2025;12(1):63–70.
72. Meng J Ming, Cao S Yu, Wei X Lin, Gan R You, Wang Y Feng, Cai S Xian, Et Al. E Ff Ects And Mechanisms Of Tea For The Prevention And Management Of Diabetes Mellitus And Diabetic Complications : An Updated Review.