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DAFTAR PUSTAKA

Aliahmadi, M., Amiri, F., Bahrami, L., Hosseini, A., Abiri, B. & Vafa, M. (2021). Effects of Raw Red Beetroot Consumption on Metabolic Markers and Cognitive Function in Type 2 Diabetes Patients. *Journal of Diabetes & Metabolic Disorders*, 20, pp.673-682.

Alizar, G. (2020). Usefulness of Beetroot (*Beta vulgaris* L.) as Antihypertensive Therapy. *Jurnal Ilmiah Kesehatan Sandi Husada*, 9(2), pp.817-823.

American Heart Association. (2017). Guideline for the Prevention, Detection, Evaluation, and Management of High Blood Pressure in Adults: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines. *Journal of the American College of Cardiology*, 71(19), pp.e127-e248.

Ananingsih, V., Pratiwi, A. & Murwati F. (2015). *Pengolahan Serbuk Perwarna Alami Bit Merah*. Semarang : Penerbit Universitas Katolik Soegijapranata.

Anderson, R., Zhan, Z., Luo, R., Guo, X., Guo, Q., Zhou, J., Kong, J., Davis, P. & Stoecker, B. (2015). Cinnamon Extract Lowers Glucose, Insulin, and Cholesterol in People with Elevated Serum Glucose. *Journal of Traditional and Complementary Medicine*, 6(4), pp.332-336.

Arifani, R., Widyastuti, N. & Nissa, C. (2019). Pengaruh Pemberian Tepung Sorgum (*Sorghum bicolor L. Moench*) terhadap Tekanan Darah Sistolik Tikus Wistar (*Rattus norvegicus*) Diabetes. *Journal of Nutrition College*, 8(4), pp.238-245.

Arifin W. & Zahiruddin, W. (2017). Sample Size Calculation in Animal Studies using Resource Equation Approach. *The Malaysian Journal of Medical Sciences*, 24(5), pp.101-105.

UNIVERSITAS GADJAH MADA
EFEK YOGHURT UMBI BIT (Beta vulgaris L.) DAN KAYU MANIS (Cinnamomum burmanii) TERHADAP TEKANAN DARAH DAN KADAR GLUKOSA DARAH PADA TIKUS SPRAGUE DAWLEY YANG DIBERI DIET TINGGI LEMAK
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Universitas Gadjah Mada, 2023 | Diunduh dari http://etd.repository.ugm.ac.id/

Asemi, Z. Samimi, M., Tabassi, Z., Rad, M., Foroushani, A., Khorammian, H. & Esmaillzadeh, A. (2013). Effect of Daily Consumption of Probiotic Yoghurt on Insulin Resistance in Pregnant Women: A Randomized Controlled Trial. *European Journal of Clinical Nutrition*. 67, pp.71-74.

Biesalski, H., Dragsted, L., Elmadfa, I., Grossklaus, R., Müller, M., Schrenk, D., Walter, P., Weber, P. (2009). Bioactive Compounds: Definition and Assessment of Activity. *Nutrition*, 25(11), pp.1202-1205.

Centers for Disease Control and Prevention. (2021). *Diabetes Tests.* [Internet]. Centers for Disease Control and Prevention. Tersedia dalam: <https://www.cdc.gov/diabetes/basics/getting-tested.html> [Diakses 4 Maret 2022].

Chandan, R. (2017). An Overview of Yoghurt Production and Composition. Di dalam: Shah, N. *Yoghurt in Health and Diseases Prevention*. United Kingdom : Academic Press.

Chandan, R., Gandhi, A. & Shah, N. (2017). Yoghurt: Historical Background, Health Benefits, and Global Trade. Di dalam: Shah, N. *Yoghurt in Health and Diseases Prevention*. United Kingdom : Academic Press.

Dakhale, G., Chaudhari, H. & Shrivastava, M. (2011). Supplementation of Vitamin C Reduces Blood Glucose and Improves Glycosylated Hemoglobin in Type 2 Diabetes Mellitus: A Randomized, Double-Blind Study. *Advances in Pharmacological and Pharmaceutical Sciences*, 2011.

Data Komposisi Pangan Indonesia. (2018). *Mentega (Margarin)* [Internet]. Kementerian Kesehatan Republik Indonesia. Tersedia dalam: <https://www.panganku.org/id-ID/view> [Diakses 19 April 2023].

Delacre, M., Leys, C., Mora, L. & Lakens, D. (2019). Taking Parametric Assumptions Seriously: Arguments for the Use of Welch's *F*-test instead of the

UNIVERSITAS GADJAH MADA
EFEK YOGHURT UMBI BIT (Beta vulgaris L.) DAN KAYU MANIS (Cinnamomum burmanii) TERHADAP TEKANAN DARAH DAN KADAR GLUKOSA DARAH PADA TIKUS SPRAGUE DAWLEY YANG DIBERI DIET TINGGI LEMAK
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Universitas Gadjah Mada, 2023 | Diunduh dari http://etd.repository.ugm.ac.id/

Classical *F*-test in *One-Way ANOVA*. *International Review of Social Psychology,* 32(1).

Dewi, N., Memunah, N. & Putri, R. (2020). Gambaran Asupan Nutrisi di Masa Pandemi pada Mahasiswa. *Care: Jurnal Ilmu Kesehatan*, 8(3), pp.369-382.

Dinas Pertanian Kabupaten Buleleng. (2020). *Mengenal Buah Bit serta Manfatnya untuk Kesehatan.* [Internet]. Dinas Pertanian Kabupaten Buleleng. Tersedia dalam: <https://distan.bulelengkab.go.id/informasi/detail/artikel/ mengenal-buah-bit-serta-manfatnya-untuk-kesehatan-63> [Diakses 3 Maret 2022].

Ebrahimi, F., Rad, A., Mosen, M., Abbasalizadeh, F., Tabrizi, A. & Khalili, L. (2019). Effect of *L. acidophilus* and *B. lactis* on Blood Glucose in Women with Gestational Diabetes Mellitus: A Randomized Placebo-controlled Trial. *Diabetology & Metabolic Syndrome*. 11(75).

Emmawati, A., Rizaini, R. dan Rahmadi, A. (2020). Perubahan Populasi Bakteri Asam Laktat, Kapang/Khamir, Keasaman, dan Respons Sensoris YOGHURT Durian. *Journal of Tropical AgriFood*, 2(2), pp.79-89.

Faddladdeen, K. (2022). The Possible Protective and Therapeutic Effects of Ginger and Cinnamon on the Testis and Coda Epididymis of Streptozotocin-induced-diabetic Rats: Histological and Biochemical Studies. *Saudi Journal of Biological Sciences*, 29.

Fadlilah, S., Rahil, N. & Lanni, F. (2020). Analisis Faktor yang Mempengaruhi Tekanan Darah dan Saturasi Oksigen Perifer (SPO_2). *Jurnal Kesehatan Kusuma Husada*, 11(1), pp.21-30.

Farida, T., Suhartono & Kartika, I. (2020). Pengaruh Variasi Komposisi Susu Skim terhadap Kadar Asam Amino pada Yoghurt Sari Jagung Manis (*Zea mays L. saccharata*). *Jurnal Riset Sains dan Kimia Terapan*, 9(1), pp.33-44.

UNIVERSITAS GADJAH MADA
EFEK YOGHURT UMBI BIT (Beta vulgaris L.) DAN KAYU MANIS (Cinnamomum burmanii) TERHADAP TEKANAN DARAH DAN KADAR GLUKOSA DARAH PADA TIKUS SPRAGUE DAWLEY YANG DIBERI DIET TINGGI LEMAK
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Universitas Gadjah Mada, 2023 | Diunduh dari http://etd.repository.ugm.ac.id/

Febriani, W. (2017). Efek Pemberian Simvastatin terhadap Kadar Kolesterol Telur Puyuh. *BIOSFER:Jurnal Tadris Pendidikan Biologi*, 8(2), pp.158- 170.

Fiorenza, M., Maslachah, L., Meles, D., Widiyatno, T., Yuliani, G., Ntoruru, J. & Luqman, E. (2022). Effect of Mahogany (*Swietenia mahagoni* Jacq.) Extract on the Islet Cells' Number and Blood Glucose Levels of Alloxan-induced Diabetic Rat. *International Journal of Drug Delivery Technology*, 12(3), pp.1004-1008.

Firani, N. (2017). *Metabolisme Karbohidrat: Tinjauan Biokimia dan Patologis*. Malang : UB Press.

Ghasemi, A., Jeddi, S. & Kashfi, K. (2021). The Laboratory Rat: Age and Body Weight Matter. *EXCLI Journal*, 20, 1431-1445.

Guo, X., Sun, W., Huang, L., Wu, L., Hou, Y., Qin, L. & Liu, T. (2017). Effect of Cinnamaldehyde on Glucose Metabolism and Vessel Function. *Medical Science Monitor*, 23, pp.3844-3853.

Hadi, A., Campbell, M., Hassani, B., Pourmasoumi, M., Sahlabadi, A. & Hosseini, S. (2020). The Effect of Cinnamon Supplementation on Blood Pressure in Adults: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. *Clinical Nutrition ESPEN*, 36, pp.10-16.

Hadipour, E., Taleghani, A., Tayarani-Najaran, N. & Tayarani-Najaran, Z. (2020). Biological Effects of Red Beetroot and Betalains: A Review. *Phytotherapy Research*, 34(8), pp.1847-1867.

Hamzah, B., Akbar, H., Faisal, Rafsanjani, T., Sartika, Sinaga, A., Hidayani, W., Agustiawan, Panma, Y. & Bela, S. (2021). *Teori Epidemiologi Penyakit Tidak Menular*. Aceh : Yayasan Penerbit Muhammad Zaini.

UNIVERSITAS GADJAH MADA
EFEK YOGHURT UMBI BIT (Beta vulgaris L.) DAN KAYU MANIS (Cinnamomum burmanii) TERHADAP TEKANAN DARAH DAN KADAR GLUKOSA DARAH PADA TIKUS SPRAGUE DAWLEY YANG DIBERI DIET TINGGI LEMAK
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Universitas Gadjah Mada, 2023 | Diunduh dari http://etd.repository.ugm.ac.id/

Helmalia, A., Putrid & Dirpan, A. (2019). Potensi Rempah – rempah Tradisional sebagai Sumber Antioksidan Alami untuk Bahan Baku Pangan Fungsional. *Canrea Journal*, 2(1), pp.26-31.

Hermanto, S., Muawanah, A. & Wardhani, P. (2010). Analisis Tingkat Kerusakan Lemak Nabati dan Lemak Hewani Akibat Proses Pemanasan. *Jurnal Valensi*, 1(6), pp.262-268.

Homan, T., Bordes, S. Cichowski, E. (2018). *Physiology, Pulse Pressure*. Treasure Island (FL) : StatPearls Publishing.

Husna, F., Suyatna, F., Arozal, W. & Purwaningsih, E. (2019). Model Hewan Coba pada Penelitian Diabetes. *Pharmaceutical Sciences and Research (PSR)*, 6(3), pp.131-141.

Idris, H. & Mayura, E. (2019). *Sirkuler Informasi, Teknologi Tanaman Rempah dan Obat: Teknologi Budidaya dan Pasca Panen Kayu Manis (Cinnamomum burmanii)*. Bogor : Balai Penelitian Tanaman Rempah dan Obat.

Irwan. (2016). *Epidemiologi Penyakit Tidak Menular*. Yogyakarta : Deepublish.

Ismawati, N., Nurwantoro & Pramono, Y. (2016). Nilai pH, Total Padatan Terlarut, dan Sifat Sensoris Yoghurt dengan Penambahan Estrak Bit (*Beta vulgaris L.*). *Jurnal Aplikasi Teknologi Pangan*, 5(3), pp.89-93.

Jones, T., Dunn, E., Macdonald, J., Kubis, H., McMahon, N. & Sandoo, A. (2019). The Effects of Beetroot Juice on Blood Pressure, Microvascular Function and Large-Vessel Endothelial Function: A Randomized, Double-Blind, Placebo-Controlled Pilot Study in Healthy Older Adults. *Nutrients*, 11(8).

Kadir, N., Rahmat, A. & Jaafar, H. (2015). Protective Effects of Tamarillo (*Cyphomandra betacea*) Extract against High Fat Diet Induced Obesity in Sprague-Dawley Rats. *Journal of Obesity*, 2015.

UNIVERSITAS GADJAH MADA
EFEK YOGHURT UMBI BIT (Beta vulgaris L.) DAN KAYU MANIS (Cinnamomum burmanii) TERHADAP TEKANAN DARAH DAN KADAR GLUKOSA DARAH PADA TIKUS SPRAGUE DAWLEY YANG DIBERI DIET TINGGI LEMAK
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Universitas Gadjah Mada, 2023 | Diunduh dari http://etd.repository.ugm.ac.id/

Kementerian Kesehatan Republik Indonesia. (2018). *Laporan Nasional Riset Kesehatan Dasar 2018*. Jakarta : Kementerian Kesehatan Republik Indonesia.

Khan, I., Nadeem, M., Imran, M. & Khalique, A. (2020). Impact of Post Fermentation Cooling Patterns on Fatty Acid Profile, Lipid Oxidation, and Antioxidant Features of Cow and Buffalo Milk Set YOGHURT. *Lipids in Health and Disease*, 74.

Komang, M., Putu, T. & Nengah, A. (2014). Studi Pengaruh Lamanya Pemaparan Medan Magnet terhadap Jumlah Sel Darah Putih (Leukosit) pada Tikus Putih (*Rattus norvegicus*). *Buletin Fisika*, 15(1), pp. 31-38.

Kong, C., Li, Z., Mao, Y., Chen, H., Hu, W., Han, B. & Wang, L. (2021). Probiotic Yogurt Blunts the Increase of Blood Pressure in Spontaneously Hypertensive Rats via Remodeling of the Gut Microbiota. *Food & Function*, 12(20), pp.9773-9783.

Kukadia, S., Dehbi, H., Tillin, T., Coady, E., Chaturvedi, N. & Hughes, A. (2019). A Double-Blind Placebo-Controlled Crossover Study of the Effect of Beetroot Juice Containing Dietary Nitrate on Aortic and Brachial Blood Pressure Over 24 h. *Frontiers in Physiology*, 10(47).

Lasker, S., Rahman, M., Parvez, F., Zamila, M., Miah, P., Nahar, K., Kabir, F., Sharmin, S., Subhan, N., Ahsan, G. & Alam, M. (2019). High-fat Diet-induced Metabolic Syndrome and Oxidative Stress in Obese Rats are Ameliorated by Yogurt Supplementation. *Scientific Reports*, 9.

Le Roy, C., Kurilshikov, A., Leeming, E., Visconti, A., Bowyer, R., Menni, C., Falchi, M., Koutnikova, H., Veiga, P., Zhernakova, A., Derrien, M. & Spector, T. (2022). Yoghurt Consumption is Associated with Changes in the Composition of the Human Gut Microbiome and Metabolome. BMC Microbiology, 22(39).

UNIVERSITAS GADJAH MADA
EFEK YOGHURT UMBI BIT (Beta vulgaris L.) DAN KAYU MANIS (Cinnamomum burmanii) TERHADAP TEKANAN DARAH DAN KADAR GLUKOSA DARAH PADA TIKUS SPRAGUE DAWLEY YANG DIBERI DIET TINGGI LEMAK
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Universitas Gadjah Mada, 2023 | Diunduh dari http://etd.repository.ugm.ac.id/

Li, Y., Rahman, S., Huang, Y., Zhang, Y., Ming, P., Zhu, L., Chu, X., Li, J., Feng, S., Wang, X. & Wu, J. (2020). Green Tea Polyphenols Decrease Weight Gain, Ameliorate Alteration of Gut Microbiota, and Mitigate Intestinal Inflammation in Canines with High-fat-diet-induced Obesity. *The Journal of Nutritional Biochemistry*, 78.

Lu, L., Xiong, Y., Zhou, J., Wang, G., Mi, B., Liu, G. (2022). The Therapeutic Roles of Cinnamaldehyde against Cardiovascular Diseases. *Oxidative Medicine and Cellular Longevity*, 2022.

MacMillan.

Magfirah & Christin, V. (2020). Analisis Profil Bobot Badan Tikus dan Gejala Toksis Pada Pemberian Ekstrak Etanol Daun Parang Romang (*Boehmeria virgata*) terhadap Tikus Putih (*Rattus novergicus*). *Journal Farmasi Galenika*, 6(1).

Mahmoodnia, L., Aghadavod, E. & Kopaei, M. (2017). Ameliorative Impact of Cinnamon against High Blood Pressure: An Updated Review. *Journal of Renal Injury Prevention*, 6(3), pp.171-176.

Mao, T., Huang, F., Zhu, X., Wei, D. & Chen, L. (2021). Effects of Dietary Fiber on Glycemic Control and Insulin Sensitivity in Patients with Type 2 Diabetes: A Systematic Review and Meta-Analysis. *Journal of Functional Foods*, 82.

Marisa & Shinta, D. (2018). Perbandingan Toksisitas Kandungan Nikotin pada Perokok Aktif dan Pasif. *Prosiding Seminar Kesehatan Perintis*, 1(2), pp.61-64.

Marnianti, S., Nazaruddin & Cicilia, S. (2021). Mutu Yoghurt Susu Kuda Liar dengan Penambahan Ekstrak Kayu Manis pada Berbagai Konsentrasi. *Pro Food (Jurnal Ilmu dan Teknologi Pangan)*, 7(1), pp.773-784.

UNIVERSITAS GADJAH MADA
EFEK YOGHURT UMBI BIT (Beta vulgaris L.) DAN KAYU MANIS (Cinnamomum burmanii) TERHADAP TEKANAN DARAH DAN KADAR GLUKOSA DARAH PADA TIKUS SPRAGUE DAWLEY YANG DIBERI DIET TINGGI LEMAK
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Universitas Gadjah Mada, 2023 | Diunduh dari http://etd.repository.ugm.ac.id/

Marques, C., Meireles, M., Norberto, S., Leite, J., Freitas, J., Pestana, D., Faria, A. & Calhau, C. (2016). High-fat Diet-induced Obesity Rat Model: A Comparison Between Wistar and Sprague-Dawley Rat, *Adipocyte*, 5(1), pp.11-21.

Maryani, P., Ulfa, E. & Rachmawati, E. (2016). Pengaruh Ekstrak Metanol Daun Kayu Kuning (*Arcangelisia flava (L.) Merr*.) terhadap Kadar Kolesterol Total dan Trigliserida Tikus Hiperlipidemia. *E-Journal Pustaka Kesehatan*, 4(1).

Matthew, T. & Tadi, P. (2021). Blood Glucose Monitoring. Di dalam: *StatPearls* [internet]. Treasure Island (FL) : StatPearls Publishing.

Mawarti, H., Ratnawati, R. & Lyrawati, D. (2012). Epigallocatechin Gallate Menghambat Resistensi Insulin pada Tikus dengan Diet Tinggi Lemak. *Jurnal Kedokteran Brawijaya*, 27(1), pp.43-50.

McKnight, P. & Najab, J. (2010). Mann-whitney U Test. *The Corsini Encyclopedia of Psychology*. p.1.

Moser, M. & Chun, O. (2016). Vitamin C and Heart Health: A Review Based on Findings from Epidemiologic Studies. *International Journal of Molecular Sciences*, 17(8).

Mutiyani, M., Soeatmadji, D. & Sunindya, B. (2014). Efek Diet Tinggi Karbohidrat dan Diet Tinggi Lemak terhadap Kadar Glukosa Darah dan Kepadatan Sel Beta Pankreas pada Tikus Wistar. *Indonesian Journal of Human Nutrition*, 1(2), pp.106-113.

Namazi, N., Khodamoradi, K., Khamechi, S., Heshmati, J., Ayati, M. & Larijani, B. (2019). The Impact of Cinnamon on Anthropometric Indices and Glycemic Status in Patients with Type 2 Diabetes: A Systematic Review and Meta-analysis of Clinical Trials. *Complementary Therapies in Medicine*, 43, pp.92-101.

UNIVERSITAS GADJAH MADA
EFEK YOGHURT UMBI BIT (Beta vulgaris L.) DAN KAYU MANIS (Cinnamomum burmanii) TERHADAP TEKANAN DARAH DAN KADAR GLUKOSA DARAH PADA TIKUS SPRAGUE DAWLEY YANG DIBERI DIET TINGGI LEMAK
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Universitas Gadjah Mada, 2023 | Diunduh dari http://etd.repository.ugm.ac.id/

Nanda, A., Mohapatra, B., Mahapatra, A., Mahapatra, A.& Mahapatra, A. (2021). Multiple Comparison test by Tukey's Honestly Significant Difference (HSD): Do the Confident Level Control Type 1 Error. *International Journal of Statistic and Applied Mathematics*. 6(1), pp. 59-65.

Nanis, A. & Bakhtiar, R. (2020). Dislipidemia dengan Riwayat Pengobatan Tradisional: Studi Kasus dengan Pendekatan Kedokteran Keluarga. *Jurnal Kedokteran Mulawarman*, 7(3), pp.34-39.

Nugraha, A., Isdadiyanto, S. & Tana, S. (2018). Histopatologi Hepar Tikus Wistar (*Rattus norvegicus*) Jantan setelah Pemberian Teh Kombucha Konsentrasi 100% dengan Waktu Fermentasi yang Berbeda. *Buletin Anatomi dan Fisiologi*, 3(1), pp.71-78.

Nugroho, K., Kurniasari, R. & Noviani, T. (2019). Gambaran Pola Makan Sebagai Penyebab Kejadian Penyakit Tidak Menular (Diabetes Mellitus, Obesitas, dan Hipertensi) di Wilayah Kerja Puskesmas Cebongan, Kota Salatiga. *Jurnal Kesehatan Kusuma Husada*, 10(1).

Nugroho, S., Fauziyah, K., Sajuthi, D. & Darusman, H. (2018). Profil Tekanan Darah Normal Tikus Putih (*Rattus norvegicus*) Galur Wistar dan Sprague-Dawley. *Acta Veterinaria Indonesiana*, 6(2), pp.32-37.

Oboh, H., Obayiuwana, O., Aihie, E., Iyayi, J. & Udoh, E. (2020). Beetroot (*Beta vulgaris*) Juice Inhibits Key Carbohydrate Metabolising Enzymes Associated with Type II Diabetes. *Nigerian Journal of Basic and Applied Science*, 28(1), pp.01-06.

Ocampo, D., Paipilla, A., Marin, E., Molina, S., Petro, J. & Idárraga, A. (2018). Dietary Nitrate from Beetroot Juice for Hypertension: A Systematic Review. *Biomolecules*, 8(4), p.134.

UNIVERSITAS GADJAH MADA
EFEK YOGHURT UMBI BIT (Beta vulgaris L.) DAN KAYU MANIS (Cinnamomum burmanii) TERHADAP TEKANAN DARAH DAN KADAR GLUKOSA DARAH PADA TIKUS SPRAGUE DAWLEY YANG DIBERI DIET TINGGI LEMAK
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Universitas Gadjah Mada, 2023 | Diunduh dari http://etd.repository.ugm.ac.id/

Octavia, Z., Djamiatun, K. & Suci, N. (2017). Pengaruh Pemberian Yoghurt Sinbiotik Tepung Pisang Tanduk terhadap Profil Lipid Tikus Sindrom Metabolik. *Jurnal Gizi Klinik Indonesia*, 13(4), pp.159-169.

Ogbole, O., Nkumah, A., Linus, A. & Falade, M. (2019). Molecular Identification, In Vivo and In Vitro Activities of *Calvatia gigantea* (macro-fungus) as an Antidiabetic Agent. *Mycology*, 10(3), pp.166-173.

Olsson, K., Meltendorf, T., Fuge, J., Kamp, J., Park, D., Richter, M., Gall, H., Ghofrani, H., Ferrari, P., Schmiedel, R., Kulla, H., Heitland, I., Lepsy, N., Dering, M., Hoeper, M. & Kahl, K. Prevalence of Mental Disorders and Impact on Quality of Life in Patients with Pulmonary Arterial Hypertension. *Frontiers in Psychiatry*, 12.

Orea, C., Rastrollo, M., Marti, A., Pimenta, A., Calvo, N. & González, M. (2015). Association between Yogurt Consumption and the Risk of Metabolic Syndrome over 6 Years in the SUN Study. *BMC Public Health*, 15(170).

Ostertagová, E., Ostertag, O. & Kovác, J. (2014). Methodology and Application of the Kruskal-Wallis Test. *Applied Mechanics and Materials*, 611, pp.115-120.

Pudjiastuti, P. (2018). Pengukuran Tekanan Darah, Penting Namun Sering Terlupakan. Di dalam: Dewi, R., Prayitno, A., Harijadi, Wigati, R. *Pediatric Practice for Millennial Generation Parents*. Jakarta : Ikatan Dokter Anak Indonesia.

Putriningtyas, N. & Budiono, I. (2022). Yogurt Kulit Buah Naga Merah dan Hiperglikemia. *Bookchapter Kesehatan Masyarakat Universitas Negeri Semarang*, 2.

Rahayu, L., Yantih, N. & Supomo, Y. (2018). Analisis SGPT dan SGOT pada Tikus yang Diinduksi Isoniazid untuk Penentuan Dosis dan Karakteristik

UNIVERSITAS GADJAH MADA
EFEK YOGHURT UMBI BIT (Beta vulgaris L.) DAN KAYU MANIS (Cinnamomum burmanii) TERHADAP TEKANAN DARAH DAN KADAR GLUKOSA DARAH PADA TIKUS SPRAGUE DAWLEY YANG DIBERI DIET TINGGI LEMAK
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Universitas Gadjah Mada, 2023 | Diunduh dari http://etd.repository.ugm.ac.id/

Hepatoprotektif Air Buah Nanas (*Ananas comosus* L. Merr) Mentah. *Jurnal Ilmu Kefarmasian Indonesia*, 16(1), pp.100-106.

Rahma, E. (2020). *Analisis Kadar Proksimat dan Serat Pangan Yoghurt Umbi Bit (Beta vulgaris L.) dan Kayu Manis (Cinnamomum burmanii)*. Skripsi. Universitas Gadjah Mada.

Rahmi, Y. (2017). *Uji Antihiperurisemia Kombinasi Ekstrak Etanol 70% Daun Sidaguri (Sida rhombifolia L) dan Allopurinol terhadap Tikus Sprague-Dawley yang Diinduksi Kafein*. Skripsi. Universitas Islam Negeri Syarif Hidayatullah Jakarta.

Rezazadeh, L., Alipour, B., Jafarabadi, M. & Gargari, B. (2020). Evaluation of the Effects of Probiotic Yoghurt on Inflammation and Cardiometabolic Risk Factors in Subjects with Metabolic Syndrome: A Randomised Controlled Trial. *International Dairy Journal*, 101.

Rodríguez, P., Rubio, M., Escudero, P., Carmona, F. & Herrero, F. (2022). Health-promoting Potential of Betalains *In Vivo* and Their Relevance as Functional Ingredients: A Review. *Trends in Food Science & Technology*, 122, pp.66-82.

Rohajatien U., Harijono., Estiasih, T. & Wahyuni, E. (2018). Bitter Melon (*Momordica charantia* L.) Fruit Decreased Blood Glucose Level and Improved Lipid Profile of Streptozotocin Induced Hyperglycemia Rats. *Current Research in Nutrition and Food Science*, 6(2), pp.359-370.

Roza, N., Possignolo, L., Palanch, A. & Gontijo, J. (2016). Effect of Long-term High-fat Diet Intake on Peripheral Insulin Sensibility, Blood Pressure, and Renal Function in Female Rats. *Food & Nutrition Research*, 60(1).

Sadowska-Bartosz, I. & Bartosz, G. (2021). Biological Properties and Applications of Betalains. *Molecules*, 26(9).

UNIVERSITAS GADJAH MADA
EFEK YOGHURT UMBI BIT (Beta vulgaris L.) DAN KAYU MANIS (Cinnamomum burmanii) TERHADAP TEKANAN DARAH DAN KADAR GLUKOSA DARAH PADA TIKUS SPRAGUE DAWLEY YANG DIBERI DIET TINGGI LEMAK
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Universitas Gadjah Mada, 2023 | Diunduh dari http://etd.repository.ugm.ac.id/

Sari, H., Budirahardjo, R. & Sulistyani, E. (2015). Kadar *Serum Glutamat Piruvat Trasnaminase* (SGPT) pada Tikus Wistar (*Rattus norvegicus*) Jantan yang Dipapar Stresos Rasa Sakit berupa *Electrical Foot Shock* selama 28 Hari. *e-Jurnal Pustaka Kesehatan*, 3(2), pp.205-211.

Sarmah, N., Nauli, A., Ally, A. & Nauli, S. (2022). Interactions among Endothelial Nitric Oxide Synthase, Cardiovascular System, and Nociception during Physiological and Pathophysiological States. *Molecules*, 27(9).

Saryono. (2011). *Metodologi Penelitian Keperawatan*. Purwokerto : UPT. Percetakan dan Penerbitan UNSOED.

Sawicki, T., Martinez-Villaluenga, C., Frias, J., Wiczkowski, W., Peñas, E., Bączek, N. & Zieliński, H. (2019). The Effect of Processing and In Vitro Digestion on the Betalain Profile and ACE Inhibition Activity of Red Beetroot Products. *Journal of Functional Foods*. *Journal of Functional Foods*, 55, pp.229-237.

Septiardi, Y., Haris, R. & Ariastuti, R. (2019). Efektivitas Getah Jarak Cina (*Jatropha multifida Linn*) terhadap Proliferasi Luka pada Tikus Putih Jantan (*Sprague Dawley*). *Jurnal Ilmu Keperawatan*, 12(2), pp.162-170.

Shirzad, F., Morovatdar, N., Rezaee, R., Tsarouhas, K. & Moghadam, A. (2021). Cinnamon Effects on Blood Pressure and Metabolic Profile: A Double-blind, Randomized, Placebo-controlled Trial in Patients with Stage 1 Hypertension. *Avicenna Journal of Phyto Medicine*, 11(1), pp.91-100.

Siervo, M., Shannon, O., Kandhari, N., Prabhakar, M., Fostier, W., Köchl, C., Rogathi, J., Temu G., Stephan, B., Gray, W., Haule, I., Paddick, S., Mmbaga, B. & Walker, R. (2020). Nitrate-rich Beetroot Juice Reduces Blood Pressure in Tanzanian Adults with Elevated Blood Pressure: A Double-blind Randomized Controlled Feasibility Trial. *The Journal of Nutrition*, 150(9), pp.2460-2468.

UNIVERSITAS GADJAH MADA
EFEK YOGHURT UMBI BIT (Beta vulgaris L.) DAN KAYU MANIS (Cinnamomum burmanii) TERHADAP TEKANAN DARAH DAN KADAR GLUKOSA DARAH PADA TIKUS SPRAGUE DAWLEY YANG DIBERI DIET TINGGI LEMAK
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Universitas Gadjah Mada, 2023 | Diunduh dari http://etd.repository.ugm.ac.id/

Silva, M., Bernardo, M., Singh, J. & Mesquita, M. (2022). Cinnamon as a Complementary Therapeutic Approach for Dysglycemia and Dyslipidemia Control in Type 2 Diabetes Mellitus and Its Molecular Mechanism of Action: A Review. *Nutrients*, 14(13).

Stamatovic, S., Revollar, G., Hu, A., Choi, J., Keep, R. & Andjelkovic, A. (2019). Decline in Sirtuin-1 Expression and Activity Plays a Critical Role in Blood-brain Barrier Permeability in aging. *Neurobiology of Disease*, 126, pp.105-116.

Suhardjono, D. (1995). *Percobaan Hewan Laboratorium*. Yogyakarta : Gadjah Mada University Press.

Susetyowati, Huriyati, E., Kandarina, B. & Faza, F. (2018). *Peranan Gizi dalam Upaya Pencegahan Penyakit Tidak Menular*. Yogyakarta : Gadjah Mada University Press.

Tambajong, C., Malonda, N. & Kapantow, N. (2021). Gambaran Pola Makan Mahasiswa Semester II Fakultas Kesehatan Masyarakat Universitas Sam Ratulangi Manado selama Pandemi COVID-19. *Jurnal Kesmas*, 10(5), pp.24-29.

Tassou, C., Katte, J., Maadjhou, C. & Mbanya, J. (2019). Economic Impact of Diabetes in Africa. *Current Diabetes Report*, 19(2).

U.S. Department of Agriculture. (2019). *Beets, Raw* [Internet]. U.S. Department of Agriculture. Tersedia dalam: <https://fdc.nal.usda.gov/fdc-app.html#/food-details/169145/nutrients> [Diakses 25 Februari 2022].

U.S. Department of Agriculture. (2019). *Egg, Quail, Whole, Fresh, Raw* [Internet]. U.S. Department of Agriculture. Tersedia dalam: < https://fdc.nal.usda.gov/fdc-app.html#/food-details/172191/nutrients> [Diakses 19 April 2023].

UNIVERSITAS GADJAH MADA
EFEK YOGHURT UMBI BIT (Beta vulgaris L.) DAN KAYU MANIS (Cinnamomum burmanii) TERHADAP TEKANAN DARAH DAN KADAR GLUKOSA DARAH PADA TIKUS SPRAGUE DAWLEY YANG DIBERI DIET TINGGI LEMAK
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Universitas Gadjah Mada, 2023 | Diunduh dari http://etd.repository.ugm.ac.id/

U.S. Department of Agriculture. (2019). *Spices, Cinnamon, Ground* [Internet]. U.S. Department of Agriculture. Tersedia dalam: <https://fdc.nal.usda.gov/fdc-app.html#/food-details/171320/nutrients> [Diakses 26 Februari 2022].

U.S. Department of Agriculture. (2019). *Yoghurt, Plain, Whole Milk* [Internet]. U.S. Department of Agriculture. Tersedia dalam: <https://fdc.nal.usda.gov/fdc-app.html#/food-details/171284/nutrients> [Diakses 24 Februari 2022].

U.S. Department of Agriculture. (2020). *Indonesia: Dairy and Products Annual* [Internet]. U.S. Department of Agriculture. Tersedia dalam: <https://www.fas.usda.gov/data/indonesia-dairy-and-products-annual-7> [Diakses 6 Maret 2022].

Wade, A., Guenther, B., Ahmed, F. & Elias, M. (2021). Higher Yoghurt Intake is Associated with Lower Blood Pressure in Hypertensive Individuals: Cross-Sectional Findings from the Maine-Syracuse Longitudinal Study. *International Dairy Journal*, 122.

Wang, H. & Lee, A. (2015). Recent Developments in Blood Glucose Sensors. *Journal of Food and Drug Analysis*, 23, pp.191-200.

Wang, J., Wang, S., Yang, J., Henning, S., Ezzat-Zadeh, Z., Woo, S., Qin, T., Pan, Y., Tseng, C., Heber, D. & Li, Z. (2021). Acute Effects of Cinnamon Spice on Post-prandial Glucose and Insulin in Normal Weight and Overweight/Obese Subjects: A Pilot Study. *Frontiers in Nutrition*, 7(619782).

Wijaya, A., Malakauseya, M., Ohoiulun, A., Husein, A., Titaley, C., Que, B., Lima, F., Liesay, L., Saptenno, L. & Ulandari, P. (2021). Bagaimana Persepsi Masyarakat terhadap Penyakit Tidak Menular dan Pos Binaan Terpadu Penyakit Tidak Menular di Kota Ambon dan Pulau Saparua?. *Molucca Medica*, 14.

UNIVERSITAS GADJAH MADA
EFEK YOGHURT UMBI BIT (Beta vulgaris L.) DAN KAYU MANIS (Cinnamomum burmanii) TERHADAP TEKANAN DARAH DAN KADAR GLUKOSA DARAH PADA TIKUS SPRAGUE DAWLEY YANG DIBERI DIET TINGGI LEMAK
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Universitas Gadjah Mada, 2023 | Diunduh dari http://etd.repository.ugm.ac.id/

Wijenayaka, G., Bulugahapitiya, V. & Jayasinghe, S. (2022). Cinnamon, a Promising Herbal Plant for Combatting Diabetes and Its Anti-Diabetes Mechanisms. *Ceylon Journal of Science*, 51(4), pp.335-346.

Winarsi, H., Septiana, A. & Roselia, A. (2020). Perbaikan Lingkar Perut, Tekanan Darah, dan Body Mass Index Wanita Sindrom Metabolik menggunakan Yogurt Susu Kecambah Kacang Merah. *Jurnal Gizi dan Pangan Soedirman*, 4(2).

World Health Organization. (2020). *Noncommunicable Diseases Progress Monitor 2020*. Geneva : World Health Organization, CC BY-NC-SA 3.0 IGO.

Xue, Y., Cui, L., Qi, J., Ojo, O., Du, X., Liu, Y. & Wang, X. (2021). The Effect of Dietary Fiber (Oat Bran) Supplement on Blood Pressure in Patients with Essential Hypertension: A Randomized Controlled Trial. *Nutrition, Metabolism and Cardiovascular Disease*, 31(8), pp.2458-2470.

Yanni, A., Kartsioti, K. & Karathanos, V. (2020). The Role of Yoghurt Consumption in the Management of Type II Diabetes. *Food & Function*, 11.

Yarmaliza & Zakiyuddin. (2019). Pencegahan Dini terhadap Penyakit Tidak Menular (PTM) melalui GERMAS. *Jurnal Pengabdian Masyarakat Multidisiplin*, 2(3), pp.168-175.

Yuriah, A., Astuti, A. & Inayah. (2019). Hubungan Asupan Lemak, Serat dan Rasio Lingkar Pinggang Pinggul dengan Tekanan Darah Pasien Hipertensi di Puskesmas Gondokusuman I Yogyakarta. *Ilmu Gizi Indonesia*, 2(2), pp.115-124.

Yusuf. S. (2020). *Analisis Total Fenol, Vitamin C, dan Aktivitas Antioksidan pada Yoghurt Umbi Bit (Beta vulgaris L.) dan Kayu Manis (Cinnamomum burmannii*. Skripsi. Universitas Gadjah Mada.