DAFTAR PUSTAKA

[1] E. Rinninella *et al.*, “Food components and dietary habits: Keys for a healthy gut microbiota composition,” Oct. 01, 2019, *MDPI AG*. doi: 10.3390/nu11102393.

[2] S. Ibragimova, R. Ramachandran, F. R. Ali, L. Lipovich, and S. B. Ho, “Dietary Patterns and Associated Microbiome Changes that Promote Oncogenesis,” Nov. 12, 2021, *Frontiers Media S.A.* doi: 10.3389/fcell.2021.725821.

[3] G. Pagliai, M. Dinu, M. P. Madarena, M. Bonaccio, L. Iacoviello, and F. Sofi, “Consumption of ultra-processed foods and health status: a systematic review and meta-analysis,” *Br. J. Nutr.*, vol. 125, no. 3, pp. 308–318, Feb. 2021, doi: 10.1017/S0007114520002688.

[4] S. Samidi and S. B. Husain, “Survival of The Basing Arts of The Kajang Community in Global Challenges,” *Mudra J. Seni Budaya*, vol. 38, no. 2, pp. 120–129, Feb. 2023, doi: 10.31091/mudra.v38i2.2199.

[5] J. He *et al.*, “Short-chain fatty acids and their association with signalling pathways in inflammation, glucose and lipid metabolism,” *Int. J. Mol. Sci.*, vol. 21, no. 17, pp. 1–16, 2020, doi: 10.3390/ijms21176356.

[6] S. Macfarlane and G. T. Macfarlane, “Session : Short-chain fatty acids Regulation of short-chain fatty acid production,” no. 2003, pp. 67–72, 2021, doi: 10.1079/PNS2002207.

[7] S. Macfarlane and G. T. Macfarlane, “Session : Short-chain fatty acids Regulation of short-chain fatty acid production,” no. 2003, pp. 67–72, 2021, doi: 10.1079/PNS2002207.

[8] J. He *et al.*, “Short-chain fatty acids and their association with signalling pathways in inflammation, glucose and lipid metabolism,” *Int. J. Mol. Sci.*, vol. 21, no. 17, pp. 1–16, 2020, doi: 10.3390/ijms21176356.

[9] S. Macfarlane and G. T. Macfarlane, “Regulation of short-chain fatty acid production,” *Proc. Nutr. Soc.*, vol. 62, no. 1, pp. 67–72, Feb. 2003, doi: 10.1079/pns2002207.

[10] R. Ríos-Covián, P. Ruas-Madiedo, A. Margolles, M. Gueimonde, C. G. de los Reyes-Gavilán, and N. Salazar, “Intestinal short chain fatty

acids and their link with diet and human health," *Front. Microbiol.*, vol. 7, no. FEB, pp. 1–9, 2016, doi: 10.3389/fmicb.2016.00185.

[11] P. Portincasa *et al.*, "Gut Microbiota and Short Chain Fatty Acids: Implications in Glucose Homeostasis," Feb. 01, 2022, *MDPI*. doi: 10.3390/ijms23031105.

[12] J. He *et al.*, "Short-chain fatty acids and their association with signalling pathways in inflammation, glucose and lipid metabolism," *Int. J. Mol. Sci.*, vol. 21, no. 17, pp. 1–16, 2020, doi: 10.3390/ijms21176356.

[13] S. Kim, J. H. Kim, B. O. Park, and Y. S. Kwak, "Perspectives on the therapeutic potential of short-chain fatty acid receptors," *BMB Rep.*, vol. 47, no. 3, pp. 173–178, 2014, doi: 10.5483/BMBRep.2014.47.3.272.

[14] Y. P. Silva, A. Bernardi, and R. L. Frozza, "The Role of Short-Chain Fatty Acids From Gut Microbiota in Gut-Brain Communication," *Front. Endocrinol.*, vol. 11, no. January, pp. 1–14, 2020, doi: 10.3389/fendo.2020.00025.

[15] X.-L. Tao *et al.*, "The effects of autophagy on the replication of Nelson Bay orthoreovirus.," *Virol. J.*, vol. 16, no. 1, p. 90, Jul. 2019, doi: 10.1186/s12985-019-1196-7.

[16] A. R. Gunawardene, B. M. Corfe, and C. A. Staton, "Classification and functions of enteroendocrine cells of the lower gastrointestinal tract," Aug. 2011. doi: 10.1111/j.1365-2613.2011.00767.x.

[17] F. M. Gribble and F. Reimann, "Function and mechanisms of enteroendocrine cells and gut hormones in metabolism," Apr. 01, 2019, *Nature Publishing Group*. doi: 10.1038/s41574-019-0168-8.

[18] T. Wu *et al.*, "Accuracy of real-time tissue elastography for the evaluation of hepatic fibrosis in patients with chronic hepatitis B: a prospective multicenter study.," *Dig. Dis. Basel Switz.*, vol. 32, no. 6, pp. 791–799, 2014, doi: 10.1159/000368024.

Xie, K. L. Jones, C. K. Rayner, and T. Wu, "Enteroendocrine mone secretion and metabolic control: Importance of the region of

the gut stimulation," Sep. 01, 2020, *MDPI AG*. doi: 10.3390/pharmaceutics12090790.

[20] C. S. Byrne, E. S. Chambers, D. J. Morrison, and G. Frost, "The role of short chain fatty acids in appetite regulation and energy homeostasis," *Int. J. Obes.*, vol. 39, no. 9, pp. 1331–1338, 2015, doi: 10.1038/ijo.2015.84.

[21] R. Tang and L. Li, "Modulation of Short-Chain Fatty Acids as Potential Therapy Method for Type 2 Diabetes Mellitus," *Can. J. Infect. Dis. Med. Microbiol.*, vol. 2021, 2021, doi: 10.1155/2021/6632266.

[22] D. Pérez-Reytor, C. Puebla, E. Karahanian, and K. García, "Use of Short-Chain Fatty Acids for the Recovery of the Intestinal Epithelial Barrier Affected by Bacterial Toxins," May 24, 2021, *Frontiers Media S.A.* doi: 10.3389/fphys.2021.650313.

[23] L. A. Bolte *et al.*, "Long-term dietary patterns are associated with pro-inflammatory and anti-inflammatory features of the gut microbiome," *Gut*, vol. 70, no. 7, pp. 1287–1298, Jul. 2021, doi: 10.1136/gutjnl-2020-322670.

[24] R. Yamamura *et al.*, "Associations of gut microbiota, dietary intake, and serum short-chain fatty acids with fecal short-chain fatty acids", doi: 10.5281/zenodo.1439555.

[25] J. Yang and D. J. Rose, "The impact of long-term dietary pattern of fecal donor on: In vitro fecal fermentation properties of inulin," *Food Funct.*, vol. 7, no. 4, pp. 1805–1813, Apr. 2016, doi: 10.1039/c5fo00987a.

[26] L. C. Kong *et al.*, "Dietary patterns differently associate with inflammation and gut microbiota in overweight and obese subjects," *PLoS ONE*, vol. 9, no. 10, Oct. 2014, doi: 10.1371/journal.pone.0109434.

[27] Y. Wang *et al.*, "Circulating short-chain fatty acids are positively ociated with adiposity measures in chinese adults," *Nutrients*, vol. no. 7, pp. 1–15, 2020, doi: 10.3390/nu12072127.

[28] M. Müller *et al.*, “Circulating but not faecal short-chain fatty acids are related to insulin sensitivity, lipolysis and GLP-1 concentrations in humans,” *Sci. Rep.*, vol. 9, no. 1, pp. 1–9, 2019, doi: 10.1038/s41598-019-48775-0.

[29] C. Guida *et al.*, “PYY plays a key role in the resolution of diabetes following bariatric surgery in humans,” *EBioMedicine*, vol. 40, pp. 67–76, Feb. 2019, doi: 10.1016/J.EBIOM.2018.12.040.

[30] S. Rahat-Rozenbloom, J. Fernandes, J. Cheng, G. B. Gloor, and T. M. S. Wolever, “The acute effects of inulin and resistant starch on postprandial serum short-chain fatty acids and second-meal glycemic response in lean and overweight humans,” *Eur. J. Clin. Nutr.*, vol. 71, no. 2, pp. 227–233, Feb. 2017, doi: 10.1038/EJCN.2016.248.

[31] V. P. N. Miranda *et al.*, “Abundance of Gut Microbiota, Concentration of Short-Chain Fatty Acids, and Inflammatory Markers Associated with Elevated Body Fat, Overweight, and Obesity in Female Adolescents.,” *Mediators Inflamm.*, vol. 2019, p. 7346863, 2019, doi: 10.1155/2019/7346863.

[32] B. T. Layden, S. K. Yalamanchi, T. M. S. Wolever, A. Dunaif, and W. L. Lowe, “Negative association of acetate with visceral adipose tissue and insulin levels,” *Diabetes Metab. Syndr. Obes. Targets Ther.*, vol. 5, pp. 49–55, 2012, doi: 10.2147/DMSO.S29244.

[33] N. T. Mueller, M. Zhang, S. P. Juraschek, E. R. Miller, and L. J. Appel, “Effects of high-fiber diets enriched with carbohydrate, protein, or unsaturated fat on circulating short chain fatty acids: results from the OmniHeart randomized trial.,” *Am. J. Clin. Nutr.*, vol. 111, no. 3, pp. 545–554, Mar. 2020, doi: 10.1093/ajcn/nqz322.

[34] Y. Feng, Y. Wang, P. Wang, Y. Huang, and F. Wang, “Short-Chain Fatty Acids Manifest Stimulative and Protective Effects on Intestinal Barrier Function Through the Inhibition of NLRP3 Inflammasome and ɔphagy,” *Cell. Physiol. Biochem.*, vol. 49, no. 1, pp. 190–205, Sep. 8, doi: 10.1159/000492853.

Rosner, *Fundamental of Biostatistic* , vol. 5. 2000.

[36] Todesco T *et al.*, “Plasma acetate levels in a group of obese diabetic, obese normoglycemic, and control subjects and their relationships with other blood parameters,” *Am J Gastroenterol*, vol. 88, no. 5, pp. 751–755, 1993.

[37] C. A. Monteiro *et al.*, “NOVA. The star shines bright.”

[38] N. A. Taslim *et al.*, “Dietary Patterns and Ultra-Processed Foods Consumption in Modern and Traditional Populations in South Sulawesi: An Analysis of Nutritional Status and Body Composition,” *Nutr. Clin. Diet. Hosp.*, vol. 43, no. 1, pp. 90–98, 2023, doi: 10.12873/431handayani.

[39] M. Hagströmer, P. Oja, and M. Sjöström, “The International Physical Activity Questionnaire (IPAQ): a study of concurrent and construct validity,” *Public Health Nutr.*, vol. 9, no. 6, pp. 755–762, Sep. 2006, doi: 10.1079/PHN2005898.

[40] T. D. O. Chaves and M. S. Reis, “Abdominal Circumference or Waist Circumference?,” *Int. J. Cardiovasc. Sci.*, 2018, doi: 10.5935/2359-4802.20180080.

[41] K.-S. Kim, Y. Lee, W. Chae, and J.-Y. Cho, “An Improved Method to Quantify Short-Chain Fatty Acids in Biological Samples Using Gas Chromatography–Mass Spectrometry,” *Metabolites*, vol. 12, no. 6, p. 525, Jun. 2022, doi: 10.3390/metabo12060525.

[42] L. Chen *et al.*, “Modest Sodium Reduction Increases Circulating Short-Chain Fatty Acids in Untreated Hypertensives: A Randomized, Double-Blind, Placebo-Controlled Trial,” *Hypertension*, vol. 76, no. 1, pp. 73–79, Jul. 2020, doi: 10.1161/HYPERTENSIONAHA.120.14800.

[43] J. Brignardello *et al.*, “Characterization of diet-dependent temporal changes in circulating short-chain fatty acid concentrations: A randomized crossover dietary trial,” *Am. J. Clin. Nutr.*, vol. 116, no. 5, pp. 1368–1378, Nov. 2022, doi: 10.1093/ajcn/nqab211.

[44] ۱. Gill, M. C. Van Zelm, R. A. Ffrench, J. G. Muir, and P. R. Gibson, ccessful elevation of circulating acetate and propionate by dietary dulation does not alter T-regulatory cell or cytokine profiles in

healthy humans: a pilot study," *Eur. J. Nutr.*, vol. 59, no. 6, pp. 2651–2661, Sep. 2020, doi: 10.1007/s00394-019-02113-2.

[45] F. Yang *et al.*, "Gut microbiota-derived short-chain fatty acids and hypertension: Mechanism and treatment," *Biomed. Pharmacother.*, vol. 130, p. 110503, Oct. 2020, doi: 10.1016/j.biopha.2020.110503.

[46] Y. Lu, C. Fan, P. Li, Y. Lu, X. Chang, and K. Qi, "Short Chain Fatty Acids Prevent High-fat-diet-induced Obesity in Mice by Regulating G Protein-coupled Receptors and Gut Microbiota," *Sci. Rep.*, vol. 6, no. 1, p. 37589, Nov. 2016, doi: 10.1038/srep37589.

[47] O. Anachad, A. Taouil, W. Taha, F. Bennis, and F. Chegdani, "The Implication of Short-Chain Fatty Acids in Obesity and Diabetes," *Microbiol. Insights*, vol. 16, p. 117863612311627, Jan. 2023, doi: 10.1177/11786361231162720.

[48] W. Li *et al.*, "Serum Occludin as a Biomarker to Predict the Severity of Acute Ischemic Stroke, Hemorrhagic Transformation, and Patient Prognosis," *Aging Dis.*, vol. 11, no. 6, p. 1395, 2020, doi: 10.14336/AD.2020.0119.

[49] N. Perez-Diaz-del-Campo, G. Castelnuovo, D. G. Ribaldone, and G. P. Caviglia, "Fecal and Circulating Biomarkers for the Non-Invasive Assessment of Intestinal Permeability," *Diagnostics*, vol. 13, no. 11, p. 1976, Jun. 2023, doi: 10.3390/diagnostics13111976.

[50] C. Chelakkot, J. Ghim, and S. H. Ryu, "Mechanisms regulating intestinal barrier integrity and its pathological implications," *Exp. Mol. Med.*, vol. 50, no. 8, pp. 1–9, Aug. 2018, doi: 10.1038/s12276-018-0126-x.

[51] L. Tran and B. Greenwood-Van Meerveld, "Age-Associated Remodeling of the Intestinal Epithelial Barrier," *J. Gerontol. A. Biol. Sci. Med. Sci.*, vol. 68, no. 9, pp. 1045–1056, Sep. 2013, doi: 10.1093/gerona/glt106.

Paradis, H. Bègue, L. Basmaciyan, F. Dalle, and F. Bon, "Tight ctions as a Key for Pathogens Invasion in Intestinal Epithelial

Cells," *Int. J. Mol. Sci.*, vol. 22, no. 5, p. 2506, Mar. 2021, doi: 10.3390/ijms22052506.

[53] A. Shieh, M. Epeldegui, A. S. Karlamangla, and G. A. Greendale, "Gut permeability, inflammation, and bone density across the menopause transition," *JCI Insight*, vol. 5, no. 2, p. e134092, Jan. 2020, doi: 10.1172/jci.insight.134092.

[54] T. Suzuki, "Regulation of the intestinal barrier by nutrients: The role of tight junctions," *Anim. Sci. J.*, vol. 91, no. 1, p. e13357, Jan. 2020, doi: 10.1111/asj.13357.

[55] L. Cohen, I. Sekler, and M. Hershfinkel, "The zinc sensing receptor, ZnR/GPR39, controls proliferation and differentiation of colonocytes and thereby tight junction formation in the colon," *Cell Death Dis.*, vol. 5, no. 6, pp. e1307–e1307, Jun. 2014, doi: 10.1038/cddis.2014.262.

[56] M. W. Rohr, C. A. Narasimhulu, T. A. Rudeski-Rohr, and S. Parthasarathy, "Negative Effects of a High-Fat Diet on Intestinal Permeability: A Review," *Adv. Nutr.*, vol. 11, no. 1, pp. 77–91, Jan. 2020, doi: 10.1093/advances/nmz061.

[57] J. C. Nascimento, V. A. Matheus, R. B. Oliveira, S. F. S. Tada, and C. B. Collares-Buzato, "High-Fat Diet Induces Disruption of the Tight Junction-Mediated Paracellular Barrier in the Proximal Small Intestine Before the Onset of Type 2 Diabetes and Endotoxemia," *Dig. Dis. Sci.*, vol. 66, no. 10, pp. 3359–3374, Oct. 2021, doi: 10.1007/s10620-020-06664-x.

[58] M. Ali Ahmad, M. Karavetian, C. A. Moubareck, G. Wazz, T. Mahdy, and K. Venema, "The Association between Peptide Hormones with Obesity and Insulin Resistance Markers in Lean and Obese Individuals in the United Arab Emirates," *Nutrients*, vol. 14, no. 6, p. 1271, Mar. 2022, doi: 10.3390/nu14061271.

[59] H. Huber, A. Schieren, J. J. Holst, and M.-C. Simon, "Dietary impact on ing and stimulated GLP-1 secretion in different metabolic ditions – a narrative review," *Am. J. Clin. Nutr.*, vol. 119, no. 3, pp. –627, Mar. 2024, doi: 10.1016/j.ajcnut.2024.01.007.

[60] L. A. Jones *et al.*, “Alterations in GLP-1 and PYY release with aging and body mass in the human gut,” *Mol. Cell. Endocrinol.*, vol. 578, p. 112072, Dec. 2023, doi: 10.1016/j.mce.2023.112072.

[61] S. Haghighi *et al.*, “Effects of Fasting on Glucagon-like peptide-1 hormone (GLP-1), and Lipid Profile Indices in Obese and Thin Women,” *Int. J. Pediatr.*, no. Online First, Nov. 2018, doi: 10.22038/ijp.2018.36085.3147.

[62] I. B. A. Nugraha, M. R. Saraswati, and K. Suastika, “The Pattern of Fasting and Post 75 G Glucose Loading of Glucagon-Like Peptide 1 Levels in Obese and Non-Obese Subjects,” *Open Access Maced. J. Med. Sci.*, vol. 7, no. 3, pp. 358–362, Feb. 2019, doi: 10.3889/oamjms.2019.030.

[63] S. C. Chong, N. Sukor, S. A. Robert, K. F. Ng, and N. A. Kamaruddin, “Fasting and stimulated glucagon-like peptide-1 exhibit a compensatory adaptive response in diabetes and pre-diabetes states: A multi-ethnic comparative study,” *Front. Endocrinol.*, vol. 13, p. 961432, Sep. 2022, doi: 10.3389/fendo.2022.961432.

[64] P. Richards *et al.*, “High fat diet impairs the function of glucagon-like peptide-1 producing L-cells,” *Peptides*, vol. 77, pp. 21–27, Mar. 2016, doi: 10.1016/j.peptides.2015.06.006.

[65] F. Wang *et al.*, “Chronic high-fat feeding increases GIP and GLP-1 secretion without altering body weight,” *Am. J. Physiol.-Gastrointest. Liver Physiol.*, vol. 309, no. 10, pp. G807–G815, Nov. 2015, doi: 10.1152/ajpgi.00351.2013.

[66] C. Buscemi *et al.*, “Factors associated with body weight gain and insulin-resistance: a longitudinal study,” *Nutr. Diabetes*, vol. 14, no. 1, p. 21, Apr. 2024, doi: 10.1038/s41387-024-00283-5.

[67] H. Yang, R. Gong, M. Liu, Y. Deng, X. Zheng, and T. Hu, “HOMA-IR is positively correlated with biological age and advanced aging in the US lt population,” *Eur. J. Med. Res.*, vol. 28, no. 1, p. 470, Oct. 2023, 10.1186/s40001-023-01448-1.

[68] M. Fernström, U. Fernberg, and A. Hurtig-Wennlöf, “Insulin resistance (HOMA-IR) and body fat (%) are associated to low intake of fruit and vegetables in Swedish, young adults: the cross-sectional lifestyle, biomarkers and atherosclerosis study,” *BMC Nutr.*, vol. 5, no. 1, p. 15, Dec. 2019, doi: 10.1186/s40795-019-0279-6.

[69] F. Teymoori *et al.*, “The association of dietary and lifestyle indices for insulin resistance with the risk of cardiometabolic diseases among Iranian adults,” *Sci. Rep.*, vol. 13, no. 1, p. 6224, Apr. 2023, doi: 10.1038/s41598-023-33505-4.

[70] M. S. Yatabe *et al.*, “Salt sensitivity is associated with insulin resistance, sympathetic overactivity, and decreased suppression of circulating renin activity in lean patients with essential hypertension,” *Am. J. Clin. Nutr.*, vol. 92, no. 1, pp. 77–82, Jul. 2010, doi: 10.3945/ajcn.2009.29028.

[71] T. Ogihara *et al.*, “High-Salt Diet Enhances Insulin Signaling and Induces Insulin Resistance in Dahl Salt-Sensitive Rats,” *Hypertension*, vol. 40, no. 1, pp. 83–89, Jul. 2002, doi: 10.1161/01.HYP.0000022880.45113.C9.

[72] S. W. Oh, K. H. Han, S. Y. Han, H. S. Koo, S. Kim, and H. J. Chin, “Association of Sodium Excretion With Metabolic Syndrome, Insulin Resistance, and Body Fat,” *Medicine (Baltimore)*, vol. 94, no. 39, p. e1650, Sep. 2015, doi: 10.1097/MD.0000000000001650.

[73] M. I. Almarshad, R. Algonaiman, H. F. Alharbi, M. S. Almujaydil, and H. Barakat, “Relationship between Ultra-Processed Food Consumption and Risk of Diabetes Mellitus: A Mini-Review,” *Nutrients*, vol. 14, no. 12, p. 2366, Jun. 2022, doi: 10.3390/nu14122366.

[74] Q. Wu, G. Burley, L. Li, S. Lin, and Y. Shi, “The role of dietary salt in metabolism and energy balance: Insights beyond cardiovascular disease,” *Diabetes Obes. Metab.*, vol. 25, no. 5, pp. 1147–1161, May 3, doi: 10.1111/dom.14980.

[75] W. Song, H. Wang, and Q. Wu, “Atrial natriuretic peptide in cardiovascular biology and disease (NPPA),” *Gene*, vol. 569, no. 1, pp. 1–6, Sep. 2015, doi: 10.1016/j.gene.2015.06.029.

[76] B. Sears and M. Perry, “The role of fatty acids in insulin resistance,” *Lipids Health Dis.*, vol. 14, no. 1, p. 121, Dec. 2015, doi: 10.1186/s12944-015-0123-1.

[77] R. G. Baker, M. S. Hayden, and S. Ghosh, “NF-κB, Inflammation, and Metabolic Disease,” *Cell Metab.*, vol. 13, no. 1, pp. 11–22, Jan. 2011, doi: 10.1016/j.cmet.2010.12.008.

[78] P. K. Mujawdiya, P. Sharma, S. Sharad, and S. Kapur, “Reversal of Increase in Intestinal Permeability by Mangifera indica Seed Kernel Extract in High-Fat Diet-Induced Obese Mice,” *Pharmaceuticals*, vol. 13, no. 8, p. 190, Aug. 2020, doi: 10.3390/ph13080190.

[79] A. Al Helaili, S. J. Park, and M. J. Beyak, “Chronic high fat diet impairs glucagon like peptide-1 sensitivity in vagal afferents,” *Biochem. Biophys. Res. Commun.*, vol. 533, no. 1, pp. 110–117, Nov. 2020, doi: 10.1016/j.bbrc.2020.08.045.

[80] L. A. Tucker, “Fiber Intake and Insulin Resistance in 6374 Adults: The Role of Abdominal Obesity,” *Nutrients*, vol. 10, no. 2, p. 237, Feb. 2018, doi: 10.3390/nu10020237.

[81] N. H. T. Pham, M. V. Joglekar, W. K. M. Wong, N. T. Nassif, A. M. Simpson, and A. A. Hardikar, “Short-chain fatty acids and insulin sensitivity: a systematic review and meta-analysis,” *Nutr. Rev.*, p. nuad042, Jun. 2023, doi: 10.1093/nutrit/nuad042.

MINISTRY OF RESEARCH, TECHNOLOGY AND HIGHER EDUCATION
ETHICS COMMITTEE OF MEDICAL RESEARCH
Faculty of Medicine Hasanuddin University
Hasanuddin University Hospital
dr. Wahidin Sudirohusodo Hospital,Makassar
Secretariat : 2nd Floor Integrated Laboratory Building Faculty of Medicine Hasanuddin University
JL.PERINTIS KEMERDEKAAN KAMPUS TAMALANREA KM.10 MAKASSAR 90245.
Contact Person: dr. Agussalim Bukhari,MMed,PhD, SpGK TELP. 081225704670 e-mail : agussalimbukhari@yahoo.com

APPROVAL LETTER

No : 752/UN4.6.4.5.31/PP36/2019

Date : 17 November 2020

This is certify that the following protocol and related documents have been granted by the IRB for implementation

IRB Protokol No	UH20100608	Sponsor Protocol No	
Principal Investigator	Prof. Eric J. Alm, Ph.D	Sponsor	Personal
Title	The Global Microbiome Conservancy: Conserving and Understanding Our Microbial Heritage		
Protocol Version No	1.0	Version Date	26 October 2020
ICF Version No	1.0	Version Date	26 October 2020
Location	Makassar, Kajang Kabupaten Bulukumba, Lombok Mataram, Massachusetts Institute of Technology (MIT) USA		
Type of review	☐ Exempted ☒ Expedited ☐ Full board	Duration of Approval From 17 November 2020 To 17 November 2021	Frequency of continuing review
IRB Chair	Name Prof.Dr .Suryani As'ad,MD, M.Sc	Signature	
IRB Secretary	Name Agussalim Bukhari,MD,M.Med,PhD	Signature	

Investigator Responsibilities after Approval :

- Submit document amendments for IRB approval before implementing them
- Submit SAE report to the IRB within 24 hours, to be completed within 7 days or as data is complete and SUSAR reports within 72 hours after PI/team is informed
- ess report every 6 months for high-risk study, and yearly for low-risk study
- eport after completion of protocol procedures at the study site
- col deviation / violation

No	Name	ID Number	Age (y.o)	Gender (M/W)	BMI	Occupation	Education	Feces		Saliva (pc)	Bristol Stool
								RNA tube (pc)	Cryotube (pc)		
1	Patte	4120-WB	80	M	20,1	Jobless	Uneducated	1	5	1	Type 4
2	Panno	3166-GQ	70	W	19,6	Jobless	Uneducated	1	5	1	Type 4
3	Juma	9208-AJ	55	M	23,9	Farmer	Uneducated	1	5	1	Type 4
4	Butong	4266-TM	58	M	16,9	Jobless	Uneducated	1	5	1	Type 3
5	P.Gala	6277-IU	58	W	21,7	Farmer	Uneducated			1	
6	Kassa	7643-TA	55	W	29	Jobless	Uneducated	1	5	1	Type 5
7	P.Mira	0643-GR	50	W	30,9	Jobless	Uneducated	1	5	1	Type 6
8	P.Nasa	2489-ET	70	W	25	Jobless	Uneducated	1	5	1	Type 3
9	P.Raja	8369-QZ	70	W	28,8	Jobless	Uneducated	1	5	1	Type 6
10	P.Someng	4924-XA	60	M	21,7	Farmer	Uneducated	1	5	1	Type 5
11	P.Cuda	1074-YL	75	W	21,5	Jobless	Uneducated	1	5	1	Type 5
12	P.Mina	3138-BV	55	W	32,8	Jobless	Uneducated	1	5	1	Type 4
13	P.Ratu	5915-NO	50	W	21,8	Jobless	Uneducated	1	5	1	Type 5
14	P.Jirang	3327-JF	60	W	17,8	Jobless	Uneducated	1	5	1	Type 5
15	P.Sibang	0288-ZD	80	W	19,6	Jobless	Uneducated	1	5	1	Type 5
16	P.Ombong	8408-NK	60	W	15,2	Jobless	Uneducated	1	5	1	Type 6
17	P.Sego	8905-OJ	60	W	22,4	Jobless	Uneducated	1	5	1	Type 6
18	P.Baji	9843-TV	65	W	14,3	Jobless	Uneducated	1	5	1	Type 3
19	Rudding	8896-UY	50	M	28,1	Farmer	Uneducated	1	5	1	Type 3
20	Sarombong	0097-WO	50	W	17,45	Jobless	Uneducated	1	5	1	Type 6
21	Mangolai	7954-KR	80	M	21,3	Jobless	Uneducated	1	5	1	Type 4
22	Bacce	5671-ZX	50	W	29,3	Jobless	Uneducated	1	5	1	Type 4
23	Taba	8055-CL	50	W	20,4	Farmer	Uneducated	1	5	1	Type 4
24	Mancang	1882-QY	58	W	20,1	Jobless	Uneducated	1	5	1	Type 5
25	Maneng	1196-EP	70	W	18,2	Jobless	Uneducated	1	5	1	Type 4
26	Baraiya	1743-TN	50	W	25,2	Jobless	Uneducated	1	5	1	Type 4
27	Sumingi	6665-PI	58	M	17,8	Jobless	Uneducated	1	5	1	Type 4
28	Fatih	0835-OE	55	W	35,1	Trader	Uneducated	1	5	1	Type 4
29	Hasani	3824-KE	50	W	18,8	Jobless	Uneducated	1	5	1	Type 3
30	Cambolong	4116-FN	55	W	21,3	Jobless	Uneducated	1	5	1	Type 3
31	Cambe	8246-FA	50	W	17,4	Jobless	Uneducated	1	5	1	Type 3
32	Manisi	2035-OW	70	W	26,2	Jobless	Uneducated	1	5	1	Type 4
33	Rossi	2985-DX	90	W	22,5	Jobless	Uneducated	1	5	1	Type 6
34	Leleng	7007-VT	50	W	14,4	Jobless	Uneducated	1	5	1	Type 2
TOTAL								**33**	**165**	**33**	

No	Name	ID Number	Age (y.o)	Gender (M/W)	BMI	Occupation	Education	Feces		Saliva (pc)	Bristol Stool	
								RNA tube (pc)	Cryotube (pc)			
1	Sutriah	9035-BF	54	W	27.1	merchant	Elementary school	1	5	1	Type 2	
2	Hartati	9651-LI	50	W	24.3	Housewives	Senior high scool	1	5	1	Type 2	
3	Burhanuddin	8604-MO	68	M	22.0	Housewives	Elementary school	1	5	1	Type 4	
4	Hadiah	4319-EO	52	W	26.7	Housewives	Senior high scool	1	5	1	Type 5	
5	Rahma Dg Ngintang	8551-YM	66	W	29.7	Housewives	Elementary school	1	5	1	Type 3	
6	Maemunah	7451-LQ	56	W	24.1	Housewives	Elementary school	1	5	1	Type 3	
7	Matto Dg Naba	1127-JN	61	M	18.8	Motorcycle taxi	Elementary school	1	5	1	Type 3	
8	Jawariah Dg.Siang	3470-UH	55	W	29.3	Housewives	Elementary school	1	5	1	Type 4	
9	Minda	2227-WJ	66	W	21.6	Housewives	Elementary school	1	5	1	Type 3	
10	Hanna Dg Nganne	8743-GZ	54	W	17.0	Housewives	Elementary school	1	5	1	Type 3	
11	Subaedah	2793-VK	60	W	24.9	Housewives	Elementary school	1	5	1	Type 3	
12	Muliati	5369-DL	60	W	23.4	Housewives	Senior high scool	1	5	1	Type 4	
13	Dg.Beda	9347-UU	53	W	31.9	Housewives	Elementary school	1	5	1	Type 3	
14	Hasniah	6469-QH	54	W	26.4	Housewives	Elementary school	1	5	1	Type 4	
15	Suharni	4938-OR	57	W	25.2	Housewives	Elementary school	1	5	1	Type 2	
16	Satria Dg.Kanang	7116-SE	65	W	23.8	Housewives	Elementary school	1	5	1	Type 3	
17	Nuraeni	3785-QT	51	W	23.2	Housewives	Elementary school	1	5	1	Type 3	
18	Husnah	1935-BA	55	W	27.6	Housewives	Elementary school	1	5	1	Type 4	
19	Emmy Maryati	6351-YU	67	W	32.7	Housewives	Elementary school	1	5	1	Type 4	
20	Rukiah Dg Nganni	7269-DD	57	W	27.1	Housewives	Elementary school	1	5	1	Type 4	
21	Abdul Hasan	6512-EJ	58	M	24.3	Street vendors	Senior high scool	1	5	1	Type 4	
22	Ratnasari	3974-YG	53	W	30.6	Housewives	Senior high scool	1	5	1	Type 3	
23	Hasnah	1388-MC	51	W	28.3	Housewives	Elementary school	1	5	1	Type 3	
24	Mamma Dg. Caya	2370-HI	58	W	27.3	Housewives	Uneducated	1	5	1	Type 4	
25	Kadir Dg. Ettol	0782-DC	53	M	18.3	Driver	Senior high scool	1	5	1	Type 3	
26	Munabira	0751-YH	57	W	24.7	Housewives	Senior high scool	1	5	1	Type 3	
27	Nurhayati	5558-LV	51	W	26.7	Merchant	Senior high scool	1	5	1	Type 3	
28	Hamsina	1240-UM	67	W	19.8	Housewives	Bachelor	1	5	1	Type 3	
29	Halima	9996-HX	62	W	21.9	Housewives	Elementary school	1	5	1	Type 3	
30	Saharia	7804-ZP	57	W	24.0	Housewives	Elementary school	1	5	1	Type 4	
31	Sarifudin	6963-UG	53	M	23.9	Laborer	Senior high scool	1	5	1	Type 4	
32	Nursiah	2174-LH	64	W	16.6	Housewives	Elementary school	1	5	1	Type 4	Old Gliserol
33	Nurlia	2188-ZY	61	W	34.8	Housewives	Elementary school	1	5	1	Type 3	
34	Dg.Intang	5916-SJ	52	W	33.2	Housewives	Uneducated	1	5	1	Type 3	Old Gliserol
35	Nurtati	7955-PP	50	W	22.9	Housewives	Elementary school	1	5	1	Type 5	
36	Ria	4571-MB	53	W	24.6	Housewives	Elementary school	1	5	1	Type 5	
37	Rosmiati	5177-VY	60	W	31.7	Merchant	Elementary school	1	5	1	Type 3	Old Gliserol
38	Saira Dg.Iji	6016-FF	52	W	26.6	Housewives	Elementary school	1	5	1	Type 4	
39	Suriati D.Ngai	6208-NS	57	W	28.0	Housewives	Elementary school	1	5	1	Type 4	Old Gliserol
TOTAL								**39**	**195**	**39**		

Sutriah	1
Rahma	2
Hartati	8
Burhanuddin	9
Hadiah	11
Memunah	13
Satria Dg.Kanna	14
Minda	15
Hanneng Dg Nganne	16
Subaedah	17
Jawariah Dg.Siang	18
Muliati	19
Dg.Beda	20
Hasnia	21
Kartini	22
Matto Dg Naba	24
Suharni	25
Emy Mariati	27
Husna	28
Nuraeni	29
Rukiah Dg Nganni	30
Kadir D.Ettol	31
Abdul Hasan	32
Ratnasari	34
Mumma Dg. Caya	35
Hasnah	36
Nurhayati	38
Munabira	39
Hamsina	41
Halima	42
Saharia	43
Saifudin	45
Nursia	46
Nurlia	47
Suryati D.Ngai	49
Rosmiati	50
Saira Dg.Iji	51
Ria	52
Nurtati	53
Dg.Intang	54

Patte	1
Panno	2
Juma	3
Butong	4
P.Gala	5
Kassa	6
P.Mira	7
P.Nasa	8
P.Raja	9
P.Someng	10
P.Cuda	11
P.Mina	12
P.Ratu	13
P.Jirang	14
P.Sibang	15
P.Ombong	16
P.Sego	17
P.Baji	18
Rudding	19
Sarombong	20
Mangolai	21
Bacce	22
Taba	23
Mancang	24
Maneng	25
Baraiya	26
Sumingi	27
Fatih	28
Hasani	29
Cambolong	30
Cambe	31
Manisi	32
Rossi	33
Leleng	34

DAFTAR HADIR CALON RESPONDEN PENELITIAN

HUBUNGAN ANTARA POLA DIET DAN KADAR ASAM LEMAK RANTAI PENDEK, KADAR GLP-1, KADAR PYY, KADAR HOMA-IR, dan ZO-1 PADA POPULASI MODERN DAN TRADISIONAL

No.	Nama	Alamat	Tanda Tangan
1	Patte	Sobbu, Kajang.	
2	Panno	Sobbu, Kajang.	
3	Juma	Sobbu, Kajang.	
4	Butong.	Sobbu, Kajang.	
5	P. Galo	Sobbu, Kajang.	
6	Kossa	Sobbu, Kajang.	
7	P. Miro	Sobbu, Kajang.	
8	P. Hasa	Sobbu, Kajang.	
9	P. Raja	Sobbu, Kajang.	
10	P. Somong.	Sobbu, Kajang.	
11	P. Cudo.	Sobbu, Kajang.	
12	Hamo	Sobbu, Kajang.	
13	Ratu	Sobbu, Kajang.	
14	Beru	Sobbu, Kajang.	
15	Insani	Sobbu, Kajang.	
16	Hanno	Sobbu, Kajang.	
17	Baira	Sobbu, Kajang.	
18	Babbi	Sobbu, Kajang.	
19	Jumba	Sobbu, Kajang.	
20	Tangai	Sobbu, Kajang.	
21	Cagya.	Sobbu, Kajang.	
22	P. Mina	Sobbu, Kajang.	
23	P. Ratu	Sobbu, Kajang.	
24	P. Jirang.	Sobbu, Kajang.	
25	P. Sibang.	Sobbu, Kajang.	
26	P. Dabang.	Sobbu, Kajang.	
27	P. Seso	Sobbu, Kajang.	
28	P. Baji	Sobbu, Kajang.	
29	Rudding	Benteng, Kajang	
30	Sarombong	Benteng, Kajang	
31	Mangolai	Benteng, Kajang	
32	Tahang	Benteng, Kajang	
		Benteng, Kajang	
		Benteng, Kajang	

35	Sanai	Benteng, Kajang	
36	Baji	Benteng. Kajang	
37	Manro	Benteng. Kajang	
38	Suji	Benteng. Kajang	
39	Halli	Benteng, Kajang	
40	Bacce	Benteng. Kajang.	
41	Taba	Benteng. Kajang.	
42	Mancang	Benteng. Kajang.	
43	Maneng	Benteng. Kajang.	
44	Baraiya	Benteng. Kajang.	
45	Sumingi	Benteng. Kajang.	
46	Fatih	Benteng. Kajang	
47	Hasani	Benteng. Kajang.	
48	Cambolong	Benteng. Kajang.	
49	Cambe	Benteng. Kajang.	
50	Manis	Benteng. Kajang.	
51	Rossi	Benteng. Kajang	
52	Lelang	Benteng. Kajang	
53	Wiro	Benteng. Kajang	
54	Hollo	Benteng. Kajang	
55	Ampe	Benteng. Kajang	
56	Mimang	Benteng. Kajang	
57	Upa	Benteng. Kajang	
58	Laling	Benteng. Kajang	
59	Sobbu	Benteng. Kajang	
60	Patto	Benteng. Kajang.	
61	Fahmatia SW	Jln. Swadaya Mas No. 15B	
62	Sutmah	Jln. Swadaya 2 No. 34	
63	Hartati	Jln. Swadaya No. 4	
64	Burhanuding	Jln. Boutobila dua No. 13	
65	Halima	Jl. Beta Raya I No. 8	
66	Dg. Beta.	Jl. Andi Tonga 4 Lr 5C No 13	
67	Hasma	Jl. Bonto Bua 7.	
68	Hidaena Laisa	Jl. Bonto Bila 4 No. 38	
69	ST RUGAYA	JL. ANDI TOMPO III Lr. 1	
70	Nurhayati	Jl. Kompleks 101 Lr. 4	
		Jln. Macini Sawa no. 34	
	ngka.	Jl. Macinisawa No. 34.	

73	Abdul Hasan	Jln Kumala 2 Lr 1 / 12	
74	Hadiah	Jl. Bontobila Lr. 4	
75	Memunah	Jl. Bonto bila 4.	
76	Rahma.	Jl. Bonto bila 2.	
77	Rukiah Dg. Nganni	Jl. Andi Tonro 2 setapak 4 No 3	
78	Rahma Sari	Jln. Baulo Raunya	
79	MUMA DAENG CAYA	Jln. KAMPUNG BERUA RT-5	
80	Matodang Jaba	Jln. Andi Tonro II Setapak 5.	
81	MUNABIRA	Jln. Komp IDI Lr 4	
82	Jawariah Dg. Siang	Jl. Andi Tonro 3	
83	Minda	Jl. Andi Tonro 2 Stp 5	
84	Jubaedah	Jl. Andi Tonro 3 No. 33	
85	Hamsina	Jln. Tidung 5	
86	BURHANUDDIN	BONTOBILA 2 NO. 2	
87	Halima	Jl. Maccini kidul	
88	Muliati	Jl. Andi Tonro 4.	
89	Hasna	Jln. Sultan Alaudin	
90	Husna	Jl. Andi tonroh II setapak 6	
91	Satria dg. Kama.	Jl. Andi tonro 1 No. 7	
92	Suharni	Jl. Andi Tonro II setapak 5 No. 8	
93	Kadir D. Ettol	Jln. Kumala 2 Lr. 1 No. 10	
94	Rukiah dg Nganni	Jl. Andi tonro 2, Stp 4 No 13	
95	SAHARIA	JL MACINI TENGAH LR-2	
96	Hanneng dg. Ngame	Jl. A. Tonro 3, No 37	
97	ENY MARIATI	Jl. A. TONRO 2 NO [illegible]	
98	Syamsiah	Jln. Andi tonro 3 No. 37	
99	ROSMIATI	Jl. BONTOMANAI RW 6	
100	Kartini	Jl. Andi Tonro 2 Setapak 9	
101	Nuraeni	Jl. Andi Tonro 2 setapak 9	
102	Saifudin	Jl. Maccini Pasar Malam 4. No 2	
103	Daeng Sunggu	Jln. Andi Tonro III	
104	Nursa	Jl. Maccini Sawah Lorong 2 No 12 A	
105	Nurlia	JL Maccini Sawah No 32	
106	Nurtati	Jl. Bontoramba Lr. 1A	
107	Sair dg Liri	Jl. Bontoramba. 137	
108	SURYATI DAENGAI	JL BONTO RAMBO	
	...ng	Jl Kampung beru Bontoramba	
		Jl. BONTORAMBA LR IA	

111	Siti Fatimatang	Jalan Maccinisawa no76	
112	Purnawati	komp pai 3	
113	Abdul Latif	Jl. Mon Emmy Saelan 3/53	
114	ABD. ASYUR SALE	BUMI PERMATA H20	
115	RahMATIA	Jl. MACCINI PSR III No2A	
116	ALFHIDA INDAH	komp PAI 3	
117	Asmawati	Jl. Manuruki 2B/14.	
118	Juliati Srirahayu.	Kom. AURI Pai 3	
119	INDRIYATI	KOMP. COKOMUR I No.2	
120	Bungawati	Manuruki 2 No. 28 4/1	
121	RatMI	Komp. Purnawirawan 3	
122	Rangsa	BTN Pelita Asri T1 No. 5	
123	TRI Wahyuni	Komp. PAI 3	
124	Sania	Jalan Andi Tonro 2	
125	Singara	Jl. Andi Tonro 4 Lorong SD no.11	
126	saharia	Andi Tonro 2 setapak 5	
127	Novi Suswanti	Komp. pai 3 Jl. pelita I/3	
128	NURHAEDAH	JL. SEKARDA BLOK Q1 NO. 2	
129	Husain Abbas	Talasalapang 2 Blok M/4	
130	Bunga Intan	Andi Tonro 2 Lorong 2 no-8	
131	HAMIDA	Jl. ANDI TONRO 3 STP 1/4	
132	Sohora	Jl. A. Tonro III /1	
133	Nursiah	Jl. andi tonro 1 no. 20	
134	Syamsiah	Jl. A. Tonro III NO. 37	
135	Salma Dg P	Jl. andi Tonro II setapak no.33	
136	SAIFUDDIN	JL. ANDI TONRO III NO. 37	
137	Nurhayati	Jl. Andi Tonro 4 lr 2 no 4	
138	Mina	Jl. A. Tonro 2 stp 6/10	
139	Dg. Singara	Jl. Andi Tonro	
140	Grace Evi	Tidung 2 stp 4/53	
141	mardiana	Jl. tidung 2 Stp 1 no23	
142	Yusmiah	Andi Tonro 2/20	
143	Nely	Jl. Tidung 2 Stp 1/27	
144	EPPONG	Jl. andi Tonro Stp 6	
145	Ida Nazdah	Tidung 4 Stp 7/124	
146	Marni Raji	Jl. TA 2 Stp 1/no 13	
	...IMAH	Jl. tidung 2 Stp 3	
		Andi Tonro 2 No. 9	

149	Dmesiah	Td I stp 2 no 10	[signature]
150	Nurani an	Tidung 1 stp 1 No. 20	[signature]
151	Cheinteng C	Andi Tonro 4 no. 15	
152	Azza Nasrah wati	Tidung 5 stp 2 no 8	[signature]
153	YAYUK MANI	Jl. ANDI TONRO 4	[signature]
154	Sumiati	Jl. andi tonro 2 stp 5	[signature]
155	Ani	Jl. Maccini Raya 1/32	[signature]
156	Rara aminah andi	JL tidung 7 No 62	[signature]
157	inuri yeti	Komp. cokonuri no 2	[signature]
158	NIA	ANDI TONRO 2/7	[signature]
159	Hafsah	Tidung V /32	[signature]
160	SURYAM	TIDUNG VI NO. 51	[signature]
161			
162			
163			
164			
165			
166			

DAFTAR HADIR RESPONDEN PENELITIAN

HUBUNGAN ANTARA POLA DIET DAN KADAR ASAM LEMAK RANTAI PENDEK, KADAR GLP-1, KADAR PYY, KADAR HOMA-IR, dan ZO-1 PADA POPULASI MODERN DAN TRADISIONAL

(Pemeriksaan SCFA Plasma,SCFA Feces, GDP)

No.	Nama	Alamat	Tanda Tangan
1	Patte	Sobbu, Kajang	
2	Panno	Sobbu, Kajang	
3	Juma	Sobbu, Kajang	
4	Butong	Sobbu, Kajang	
5	P.Gala	Sobbu, Kajang	
6	Kassa	Sobbu, Kajang	
7	P.Mira	Sobbu, Kajang	
8	P.Nasa	Sobbu, Kajang	
9	P.Raja	Sobbu, Kajang	
10	P.Someng	Sobbu, Kajang	
11	P.Cuda	Sobbu, Kajang	
12	P.Mina	Sobbu, Kajang	
13	P.Ratu	Sobbu, Kajang	
14	P.Jirang	Sobbu, Kajang	
15	P.Sibang	Sobbu, Kajang	
16	P.Ombong	Sobbu, Kajang	
17	P.Sego	Sobbu, Kajang	
18	P.Baji	Sobbu, Kajang	
19	Rudding	Benteng, Kajang	
20	Sarombong	Benteng, Kajang	
21	Mangolai	Benteng, Kajang	
22	Bacce	Benteng, Kajang	
23	Taba	Benteng, Kajang	
24	Mancang	Benteng, Kajang	
25	Maneng	Benteng, Kajang	
26	Baraiya	Benteng, Kajang	
27	Sumingi	Benteng, Kajang	
28	Fatih	Benteng, Kajang	
		Benteng, Kajang	

30	Cambolong	Benteng, Kajang	
31	Cambe	Benteng, Kajang	
32	Manisi	Benteng, Kajang	
33	Rossi	Benteng, Kajang	
34	Leleng	Benteng, Kajang	
35	Wiro	Benteng, Kajang	
36	Hollo	Benteng, Kajang	
37	Rahmatia SW	Jl.Swadaya Mas No.15 B	
38	Sutriah	Jl.Swadaya 2 No.34	
39	Hartati	Jln swadaya no 4	
40	Burhanuddin	Bonto Bila 2 No.2	
41	Halima	Batua raya 1 no.8	
42	Hadiah	Jl.Bonto Bila Lr.4	
43	Rahma	Jl.Bonto Bila 2	
44	Memunah	Jl.Bonto Bila 4	
45	Matto Dg Naba	Jl.Andi Tonro 2 setapak 5	
46	Jawariah Dg.Siang	Jl.Andi Tonro 3	
47	Minda	Jl.Andi Tonro II setapak 5	
48	Hanneng Dg Nganne	Jl.Andi Tonro III No.37	
49	Subaedah	Jl.Andi Tonro 3 No.33	
50	Muliati	Jl.Andi Tonro 4	
51	Dg.Beda	Jl.Andi Tonro 4 Lr.5C No.13	
52	Hasnia	Jl.Bonto Duri 7	
53	Suharni	Jl.Andi Tonro 2 setapak 5 no.8	
54	Satria Dg.Kanna	Jl.Andi Tonro I No.7	
55	Kartini	Jl.Andi Tonro 2 setapak 9	
56	Nuraeni	Jl.Andi Tonro 2 setapak 9	
57	Husna	Jl.Andi Tonro 2 setapak 6	
58	Emy Mariati	Jl.Andi Tonro 2 No.20	
59	Rukiah Dg Nganni	Jl.Andi Tonro 2 Setapak 4 No.3	
60	Abdul Hasan	Jl.Kumala 2 Lr.1 No.6	
61	Ratnasari	Jl.Bonto Ramba	
62	Hasnah	Jl.Sultan Allauidin	
	Caya	Jl.Kampung Berua Rt.5	

64	Kadir D.Ettol	Jl.Kumala 2 Lr.1 No.10	
65	Munabira	Jl.Kompleks IDI Lr.4	
66	Nurhayati	Jl.Kompleks IDI lorong 4	
67	Hamsina	Jl.Tidung 5	
68	Halima	Jl.Maccini Kidul	
69	Saharia	Jl.Macini Tengah Lr.2	
70	Saifudin	Jl.Maccini Pasar Malam 4 No.2	
71	Nursia	Jl.Maccini sawah Lr.2 12 A	
72	Nurlia	Jl.Maccini Sawah 32	
73	Dg.Intang	Jl.Kampung Berua Bontoramba	
74	Nurtati	Jl.Bontoramba lr.1A	
75	Ria	Jl.Bontoramba Lr.1A	
76	Rosmiati	Jl.Bonto Manai RW 6	
77	Saira Dg.Iji	Jl.Bontoramba 137	
78	Suryati D.Ngai	Jl.Bontoramba	
79	Nidaena Laisa	Jl.Bonto bila 4 no 8 B	
80	ST.Rugaya	Jl.Andi Tonro III Lr.1	

DAFTAR HADIR RESPONDEN PENELITIAN

HUBUNGAN ANTARA POLA DIET DAN KADAR ASAM LEMAK RANTAI PENDEK, KADAR GLP-1, KADAR PYY, KADAR HOMA-IR, dan ZO-1 PADA POPULASI MODERN DAN TRADISIONAL

(Penerimaan Souvenir)

No.	Nama	Alamat	Tanda Tangan
1	Patte	Sobbu, Kajang	
2	Panno	Sobbu, Kajang	
3	Juma	Sobbu, Kajang	
4	Butong	Sobbu, Kajang	
5	P.Gala	Sobbu, Kajang	
6	Kassa	Sobbu, Kajang	
7	P.Mira	Sobbu, Kajang	
8	P.Nasa	Sobbu, Kajang	
9	P.Raja	Sobbu, Kajang	
10	P.Someng	Sobbu, Kajang	
11	P.Cuda	Sobbu, Kajang	
12	P.Mina	Sobbu, Kajang	
13	P.Ratu	Sobbu, Kajang	
14	P.Jirang	Sobbu, Kajang	
15	P.Sibang	Sobbu, Kajang	
16	P.Ombong	Sobbu, Kajang	
17	P.Sego	Sobbu, Kajang	
18	P.Baji	Sobbu, Kajang	
19	Rudding	Benteng, Kajang	
20	Sarombong	Benteng, Kajang	
21	Mangolai	Benteng, Kajang	
22	Bacce	Benteng, Kajang	
23	Taba	Benteng, Kajang	
24	Mancang	Benteng, Kajang	
25	Maneng	Benteng, Kajang	
26	Baraiya	Benteng, Kajang	
27	Sumingi	Benteng, Kajang	
28	Fatih	Benteng, Kajang	
		Benteng, Kajang	

30	Cambolong	Benteng, Kajang	
31	Cambe	Benteng, Kajang	
32	Manisi	Benteng, Kajang	
33	Rossi	Benteng, Kajang	
34	Leleng	Benteng, Kajang	
35	Wiro	Benteng, Kajang	
36	Hollo	Benteng, Kajang	
37	Rahmatia SW	Jl.Swadaya Mas No.15 B	
38	Sutriah	Jl.Swadaya 2 No.34	
39	Hartati	Jln swadaya no 4	
40	Burhanuddin	Bonto Bila 2 No.2	
41	Halima	Batua raya 1 no.8	
42	Hadiah	Jl.Bonto Bila Lr.4	
43	Rahma	Jl.Bonto Bila 2	
44	Memunah	Jl.Bonto Bila 4	
45	Matto Dg Naba	Jl.Andi Tonro 2 setapak 5	
46	Jawariah Dg.Siang	Jl.Andi Tonro 3	
47	Minda	Jl.Andi Tonro II setapak 5	
48	Hanneng Dg Nganne	Jl.Andi Tonro III No.37	
49	Subaedah	Jl.Andi Tonro 3 No.33	
50	Muliati	Jl.Andi Tonro 4	
51	Dg.Beda	Jl.Andi Tonro 4 Lr.5C No.13	
52	Hasnia	Jl.Bonto Duri 7	
53	Suharni	Jl.Andi Tonro 2 setapak 5 no.8	
54	Satria Dg.Kanna	Jl.Andi Tonro I No.7	
55	Kartini	Jl.Andi Tonro 2 setapak 9	
56	Nuraeni	Jl.Andi Tonro 2 setapak 9	
57	Husna	Jl.Andi Tonro 2 setapak 6	
58	Emy Mariati	Jl.Andi Tonro 2 No.20	
59	Rukiah Dg Nganni	Jl.Andi Tonro 2 Setapak 4 No.3	
60	Abdul Hasan	Jl.Kumala 2 Lr.1 No.6	
61	Ratnasari	Jl.Bonto Ramba	
62	Hasnah	Jl.Sultan Allauidin	
	Caya	Jl.Kampung Berua Rt.5	

64	Kadir D.Ettol	Jl.Kumala 2 Lr.1 No.10	
65	Munabira	Jl.Kompleks IDI Lr.4	
66	Nurhayati	Jl.Kompleks IDI lorong 4	
67	Hamsina	Jl.Tidung 5	
68	Halima	Jl.Maccini Kidul	
69	Saharia	Jl.Macini Tengah Lr.2	
70	Saifudin	Jl.Maccini Pasar Malam 4 No.2	
71	Nursia	Jl.Maccini sawah Lr.2 12 A	
72	Nurlia	Jl.Maccini Sawah 32	
73	Dg.Intang	Jl.Kampung Berua Bontoramba	
74	Nurtati	Jl.Bontoramba lr.1A	
75	Ria	Jl.Bontoramba Lr.1A	
76	Rosmiati	Jl.Bonto Manai RW 6	
77	Saira Dg.Iji	Jl.Bontoramba 137	
78	Suryati D.Ngai	Jl.Bontoramba	
79	Nidaena Laisa	Jl.Bonto bila 4 no 8 B	
80	ST.Rugaya	Jl.Andi Tonro III Lr.1	