

## DAFTAR PUSTAKA

- Abdul, E., Assirey, R., 2015a. Nutritional composition of fruit of 10 date palm ( *Phoenix dactylifera L.* ) cultivars grown in Saudi Arabia. *Integr Med Res* 9, 75–79. <https://doi.org/10.1016/j.jtusci.2014.07.002>
- Abdul, E., Assirey, R., 2015b. Nutritional composition of fruit of 10 date palm ( *Phoenix dactylifera L.* ) cultivars grown in Saudi Arabia. *Integr Med Res* 9, 75–79. <https://doi.org/10.1016/j.jtusci.2014.07.002>
- Agency for Healthcare Research and Quality, 2013a. Menopausal Symptoms: Comparative Effectiveness Review of Therapies Research Protocol. AHRQ Effective Health Care Program 1–30.
- Agency for Healthcare Research and Quality, 2013b. Menopausal Symptoms: Comparative Effectiveness Review of Therapies Research Protocol. AHRQ Effective Health Care Program 1–30.
- Al Jaouni, S.K., Hussein, A., Alghamdi, N., Qari, M., El Hossary, D., Almuhayawi, M.S., Olwi, D., Al-Raddadi, R., Harakeh, S., Mousa, S.A., 2019a. Effects of *Phoenix dactylifera* Ajwa on Infection, Hospitalization, and Survival Among Pediatric Cancer Patients in a University Hospital: A Nonrandomized Controlled Trial. *Integr Cancer Ther* 18. <https://doi.org/10.1177/1534735419828834>
- Al Jaouni, S.K., Hussein, A., Alghamdi, N., Qari, M., El Hossary, D., Almuhayawi, M.S., Olwi, D., Al-Raddadi, R., Harakeh, S., Mousa, S.A., 2019b. Effects of *Phoenix dactylifera* Ajwa on Infection, Hospitalization, and Survival Among Pediatric Cancer Patients in a University Hospital: A Nonrandomized Controlled Trial. *Integr Cancer Ther* 18. <https://doi.org/10.1177/1534735419828834>
- Ali, A., Abdu, S., 2011a. Antioxidant Protection against Pathological Mycotoxins Alterations on Proximal Tubules in Rat Kidney 118–134.
- Ali, A., Abdu, S., 2011b. Antioxidant Protection against Pathological Mycotoxins Alterations on Proximal Tubules in Rat Kidney 118–134.
- Ali, A., Abdu, S., 2011c. Antioxidant Protection against Pathological Mycotoxins Alterations on Proximal Tubules in Rat Kidney 118–134.
- Alqarni, M.M.M., Osman, M.A., Al, D.S., Gassem, M.A., Al, A.S., Fahad, K., Juhaimi, A., Ahmed, I.A.M., 2019a. Antioxidant and antihyperlipidemic effects of Ajwa date ( *Phoenix dactylifera L.* ) extracts in rats fed a cholesterol - rich diet 28, 1–12. <https://doi.org/10.1111/jfbc.12933>
- Alqarni, M.M.M., Osman, M.A., Al, D.S., Gassem, M.A., Al, A.S., Fahad, K., Juhaimi, A., Ahmed, I.A.M., 2019b. Antioxidant and antihyperlipidemic effects of Ajwa date ( *Phoenix dactylifera L.* ) extracts in rats fed a cholesterol - rich diet 28, 1–12. <https://doi.org/10.1111/jfbc.12933>
- Alqarni, M.M.M., Osman, M.A., Al, D.S., Gassem, M.A., Al, A.S., Fahad, K., Juhaimi, A., Ahmed, I.A.M., 2019c. Antioxidant and antihyperlipidemic effects of Ajwa date ( *Phoenix dactylifera L.* ) extracts in rats fed a cholesterol - rich diet 28, 1–12. <https://doi.org/10.1111/jfbc.12933>



- Ambikairajah, A., Walsh, E., Cherbuin, N., 2022. A review of menopause nomenclature. *Reprod Health* 19, 1–15. <https://doi.org/10.1186/s12978-022-01336-7>
- Anti-Inflammatory Diet, n.d.
- Biglari, F., Alkarkhi, A.F.M., Easa, A.M., 2009. Cluster analysis of antioxidant compounds in dates ( *Phoenix dactylifera* ): Effect of long-term cold storage 112, 998–1001. <https://doi.org/10.1016/j.foodchem.2008.06.063>
- Brennan, K., Zheng, J., 2007. Interleukin 8. xPharm: The Comprehensive Pharmacology Reference 8, 1–4. <https://doi.org/10.1016/B978-008055232-3.61916-6>
- Budijanto, D., 2013. Populasi, Sampling, dan Besar Sampel. Kementerian Kesehatan RI.
- Burkard, T., Moser, M., Rauch, M., Jick, S.S., Meier, C.R., 2019a. 1996 and 2015 : a descriptive study 26, 741–749. <https://doi.org/10.1097/GME.00000000000001300>
- Burkard, T., Moser, M., Rauch, M., Jick, S.S., Meier, C.R., 2019b. 1996 and 2015 : a descriptive study 26, 741–749. <https://doi.org/10.1097/GME.00000000000001300>
- Castanho, V.S., Nakamura, R.T., Pinto-Neto, A.M., De Faria, E.C., 2012a. Postmenopausal therapy reduces catalase activity and attenuates cardiovascular risk. *Arq Bras Cardiol* 99, 1008–1014. <https://doi.org/10.1590/S0066-782X2012005000097>
- Castanho, V.S., Nakamura, R.T., Pinto-Neto, A.M., De Faria, E.C., 2012b. Postmenopausal therapy reduces catalase activity and attenuates cardiovascular risk. *Arq Bras Cardiol* 99, 1008–1014. <https://doi.org/10.1590/S0066-782X2012005000097>
- Castell, G.S., Serra-majem, L., Ribas-barba, L., 2015. What and how much do we eat? 24-hour dietary recall method. <https://doi.org/10.3305/nh.2015.31.sup3.8750>
- Cheung, A.M., Chaudhry, R., Kapral, M., Jackevicius, C., Robinson, G., 2004. Perimenopausal and Postmenopausal Health. *BMC Womens Health* 4, S23. <https://doi.org/10.1186/1472-6874-4-s1-s23>
- Corbel, M.J., Tolari, F., Yadava, V.K., 2004. Appropriate body-mass index for Asian populations and its implications. *The Lancet* 363, 157–163.
- de Kat, A.C., van der Schouw, Y.T., Eijkemans, M.J.C., Herber-Gast, G.C., Visser, J.A., Verschuren, W.M.M., Broekmans, F.J.M., 2016a. Back to the basics of ovarian aging: A population-based study on longitudinal anti-Müllerian hormone decline. *BMC Med* 14, 1–9. <https://doi.org/10.1186/s12916-016-0699-y>
- de Kat, A.C., van der Schouw, Y.T., Eijkemans, M.J.C., Herber-Gast, G.C., Visser, J.A., Verschuren, W.M.M., Broekmans, F.J.M., 2016b. Back to the basics of ovarian aging: A population-based study on longitudinal anti-Müllerian hormone decline. *BMC Med* 14, 1–9. <https://doi.org/10.1186/s12916-016-0699-y>
- ; L., Santoro, N., 2018. Management of the Perimenopause.
- ti, D., Sulastri, D., 2019. Phytoestrogens and their health effect. *Open Access Maced J Med Sci* 7, 495–499. <https://doi.org/10.3889/oamjms.2019.086>



- El-far, A.H., Oyinloye, B.E., Sepehrimanesh, M., Allah, A.G., Abu, I., Shaheen, H.M., Razeghian-jahromi, I., Alsenosy, A.A., Noreldin, A.E., Jaouni, S.K. Al Shaker, A., 2018a. Date Palm (*Phoenix dactylifera*): Novel Findings and Future Directions for Food and Drug Discovery 1–11. <https://doi.org/10.2174/1570163815666180320111937>
- El-far, A.H., Oyinloye, B.E., Sepehrimanesh, M., Allah, A.G., Abu, I., Shaheen, H.M., Razeghian-jahromi, I., Alsenosy, A.A., Noreldin, A.E., Jaouni, S.K. Al Shaker, A., 2018b. Date Palm (*Phoenix dactylifera*): Novel Findings and Future Directions for Food and Drug Discovery 1–11. <https://doi.org/10.2174/1570163815666180320111937>
- El-far, A.H., Oyinloye, B.E., Sepehrimanesh, M., Allah, A.G., Abu, I., Shaheen, H.M., Razeghian-jahromi, I., Alsenosy, A.A., Noreldin, A.E., Jaouni, S.K. Al Shaker, A., 2018c. Date Palm (*Phoenix dactylifera*): Novel Findings and Future Directions for Food and Drug Discovery 1–11. <https://doi.org/10.2174/1570163815666180320111937>
- Hamad, I., Abdelgawad, H., Jaouni, S. Al, Zinta, G., Asard, H., Hassan, S., Hegab, M., Hagagy, N., Selim, S., 2015a. Metabolic Analysis of Various Date Palm Fruit (*Phoenix dactylifera* L.) Cultivars from Saudi Arabia to Assess Their Nutritional Quality 13620–13641. <https://doi.org/10.3390/molecules200813620>
- Hamad, I., Abdelgawad, H., Jaouni, S. Al, Zinta, G., Asard, H., Hassan, S., Hegab, M., Hagagy, N., Selim, S., 2015b. Metabolic Analysis of Various Date Palm Fruit (*Phoenix dactylifera* L.) Cultivars from Saudi Arabia to Assess Their Nutritional Quality 13620–13641. <https://doi.org/10.3390/molecules200813620>
- Hamad, I., Abdelgawad, H., Jaouni, S. Al, Zinta, G., Asard, H., Hassan, S., Hegab, M., Hagagy, N., Selim, S., 2015c. Metabolic Analysis of Various Date Palm Fruit (*Phoenix dactylifera* L.) Cultivars from Saudi Arabia to Assess Their Nutritional Quality 13620–13641. <https://doi.org/10.3390/molecules200813620>
- Harlow, S.D., Gass, M., Hall, J.E., Lobo, R., Maki, P., Rebar, R.W., Sherman, S., Sluss, P.M., 2013a. NIH Public Access 19, 387–395. <https://doi.org/10.1097/gme.0b013e31824d8f40>.Executive
- Harlow, S.D., Gass, M., Hall, J.E., Lobo, R., Maki, P., Rebar, R.W., Sherman, S., Sluss, P.M., 2013b. NIH Public Access 19, 387–395. <https://doi.org/10.1097/gme.0b013e31824d8f40>.Executive
- Huang, W.Y., Hsin, I.L., Chen, D.R., Chang, C.C., Kor, C.T., Chen, T.Y., Wu, H.M., 2017a. Circulating interleukin-8 and tumor necrosis factor- $\alpha$  are associated with hot flashes in healthy postmenopausal women. PLoS One 12. <https://doi.org/10.1371/journal.pone.0184011>
- Huang, W.Y., Hsin, I.L., Chen, D.R., Chang, C.C., Kor, C.T., Chen, T.Y., Wu, H.M., 2017b. Circulating interleukin-8 and tumor necrosis factor- $\alpha$  are associated with hot flashes in healthy postmenopausal women. PLoS One 12. <https://doi.org/10.1371/journal.pone.0184011>
- Iukan, B., Nasional, B., 2013a. Survei Demografi dan Kesehatan Indonesia.
- Iukan, B., Nasional, B., 2013b. Survei Demografi dan Kesehatan Indonesia.
- .. Khalid, N., Khan, R.S., Ahmed, H., Ahmad, A., 2017a. AC SC. Trends Sci Technol. <https://doi.org/10.1016/j.tifs.2017.02.009>



- Khalid, S., Khalid, N., Khan, R.S., Ahmed, H., Ahmad, A., 2017b. AC SC. Trends Food Sci Technol. <https://doi.org/10.1016/j.tifs.2017.02.009>
- Khan, F., Ahmed, F., Pushparaj, P.N., Abuzenadah, A., Kumosani, T., Barbour, E., AlQahtani, M., Gauthaman, K., 2016a. Ajwa Date (*Phoenix dactylifera L.*) extract inhibits human breast adenocarcinoma (MCF7) cells in vitro by inducing apoptosis and cell cycle arrest. PLoS One 11, 1–17. <https://doi.org/10.1371/journal.pone.0158963>
- Khan, F., Ahmed, F., Pushparaj, P.N., Abuzenadah, A., Kumosani, T., Barbour, E., AlQahtani, M., Gauthaman, K., 2016b. Ajwa Date (*Phoenix dactylifera L.*) extract inhibits human breast adenocarcinoma (MCF7) cells in vitro by inducing apoptosis and cell cycle arrest. PLoS One 11, 1–17. <https://doi.org/10.1371/journal.pone.0158963>
- Khan, F., Ahmed, F., Pushparaj, P.N., Abuzenadah, A., Kumosani, T., Barbour, E., AlQahtani, M., Gauthaman, K., 2016c. Ajwa Date (*Phoenix dactylifera L.*) extract inhibits human breast adenocarcinoma (MCF7) cells in vitro by inducing apoptosis and cell cycle arrest. PLoS One 11, 1–17. <https://doi.org/10.1371/journal.pone.0158963>
- Koebele, S. V, Bimonte-nelson, H.A., 2016a. Maturitas Modeling menopause : The utility of rodents in translational behavioral endocrinology research &. Maturitas 87, 5–17. <https://doi.org/10.1016/j.maturitas.2016.01.015>
- Koebele, S. V, Bimonte-nelson, H.A., 2016b. Maturitas Modeling menopause : The utility of rodents in translational behavioral endocrinology research &. Maturitas 87, 5–17. <https://doi.org/10.1016/j.maturitas.2016.01.015>
- Kravitz, H.M., Joffe, H., 2011. Sleep During the Perimenopause: A SWAN Story. Obstet Gynecol Clin North Am. <https://doi.org/10.1016/j.ogc.2011.06.002>
- M, S.A., Kowthar, J., Masoumeh, J., Hoda, B., Kazem, M., Gharib, N., 2010. Evaluation of the Antidiabetic and Antilipaemic Activities of the Hydroalcoholic Extract of Phoenix Dactylifera Palm Leaves and Its Fractions in Alloxan-Induced Diabetic Rats 17, 4–13.
- Mallhi, T.H., Qadir, M.I., Ali, M., Ahmad, B., Khan, Y.H., Atta-Ur-Rehman, 2014a. Ajwa date (*Phoenix dactylifera*): An emerging plant in pharmacological research. Pak J Pharm Sci 27, 607–616.
- Mallhi, T.H., Qadir, M.I., Ali, M., Ahmad, B., Khan, Y.H., Atta-Ur-Rehman, 2014b. Ajwa date (*Phoenix dactylifera*): An emerging plant in pharmacological research. Pak J Pharm Sci 27, 607–616.
- Malutan, A., Costin, N., Duncea, I., Georgescu Pepene, C.E., Mihu, D., Rada, M.P., 2013. Interleukin-8 and vasomotor symptoms in natural and surgically induced menopause. Acta Endocrinol (Copenh) 9, 133–144. <https://doi.org/10.4183/aeb.2013.133>
- Malutan, A., Costin, N., Duncea, I., Georgescu Pepene, C.E., Mihu, D., Rada, M.P., Raval, A.P., 2020a. The peri-menopause in a woman's life: a premenopausal inflammatory phase that enables later neurodegenerative disease 9, 1–



- Mccarthy, M., Raval, A.P., 2020b. The peri-menopause in a woman ' s life: a systemic inflammatory phase that enables later neurodegenerative disease 9, 1–14.
- Mccarthy, M., Raval, A.P., 2020c. The peri-menopause in a woman ' s life: a systemic inflammatory phase that enables later neurodegenerative disease 9, 1–14.
- Moshfegh, F., Baharara, J., Namvar, F., Zafar-balanezhad, S., Amini, E., 2016a. Effects of date palm pollen on fertility and development of reproductive system in female Balb / C mice 5, 23–28.
- Moshfegh, F., Baharara, J., Namvar, F., Zafar-balanezhad, S., Amini, E., 2016b. Effects of date palm pollen on fertility and development of reproductive system in female Balb / C mice 5, 23–28.
- Moshfegh, F., Baharara, J., Namvar, F., Zafar-balanezhad, S., Amini, E., 2016c. Effects of date palm pollen on fertility and development of reproductive system in female Balb / C mice 5, 23–28.
- Mulyadi, F.E., Natzir, R., Mappaware, N.A., As'ad, S., Sinrang, A.W., Kurniawan, L.B., 2023. The effect of ajwa dates (*Phoenix dactylifera* L) consumption to anti-Mullerian hormone level of perimenopausal woman. Food Res 7, 105–110. [https://doi.org/10.26656/fr.2017.7\(3\).1004](https://doi.org/10.26656/fr.2017.7(3).1004)
- Nair, M.G., 2013a. Antioxidant and Anti-inflammatory Assays Confirms Bioactive Compounds in Ajwa Date Fruit.
- Nair, M.G., 2013b. Antioxidant and Anti-inflammatory Assays Confirms Bioactive Compounds in Ajwa Date Fruit.
- Nair, M.G., 2013c. Antioxidant and Anti-inflammatory Assays Confirms Bioactive Compounds in Ajwa Date Fruit.
- Nandi, A., Yan, L.J., Jana, C.K., Das, N., 2019. Role of catalase in oxidative stress- and age-associated degenerative diseases. Oxidative medicine and cellular longevity, 2019.. Oxid Med Cell Longev 2019, 1–19.
- Onuh, S.N., Ukaejiofo, E.O., Achukwu, P.U., Ufelle, S.A., Okwuosa, C.N., Chukwuka, C.J., 2012. Haemopoietic activity and effect of Crude Fruit Extract of *Phoenix dactylifera* on Peripheral Blood Parameters . 3, 1720–1723.
- Pierre, A., Rey, R., Leclerc, A., Arouche, N., Hesters, L., Catteau-jonard, S., Picard, J., Fanchin, R., Veitia, R., Clemente, N., 2012. Differential Regulation of Ovarian Anti-Müllerian Hormone (AMH) by Estradiol through  $\alpha$ - and  $\beta$ -Estrogen Receptors 97, 1649–1657. <https://doi.org/10.1210/jc.2011-3133>
- Prior, J.C., 2015a. Perimenopause: The Complex Endocrinology of the Menopausal Transition 19, 397–428.
- Prior, J.C., 2015b. Perimenopause: The Complex Endocrinology of the Menopausal Transition 19, 397–428.
- Rahmani A.H., Aly, S.M., Ali, H., Babiker, A.Y., Srikanth, S., Amjad, A., 2014a. Therapeutic effects of date fruits ( *Phoenix dactylifera* ) in the prevention of diseases via modulation of anti-tumour activity. Int J Clin Exp Med 7, 483–491.



- Rahmani, A.H., Aly, S.M., Ali, H., Babiker, A.Y., Srikanth, S., Amjad, A., 2014b. Therapeutic effects of date fruits (Phoenix dactylifera) in the prevention of diseases via modulation of anti-tumour activity. *Int J Clin Exp Med* 7, 483–491.
- Rahmani, A.H., Aly, S.M., Ali, H., Babiker, A.Y., Srikanth, S., Amjad, A., 2014c. Therapeutic effects of date fruits (Phoenix dactylifera) in the prevention of diseases via modulation of anti-tumour activity. *Int J Clin Exp Med* 7, 483–491.
- Royani, I., As'ad, S., Mappaware, N.A., Hatta, M., Rabia, 2019a. Effect of Ajwa Dates Consumption to Inhibit the Progression of Preeclampsia Threats on Mean Arterial Pressure and Roll-Over Test. *Biomed Res Int* 2019. <https://doi.org/10.1155/2019/2917895>
- Royani, I., As'ad, S., Mappaware, N.A., Hatta, M., Rabia, 2019b. Effect of Ajwa Dates Consumption to Inhibit the Progression of Preeclampsia Threats on Mean Arterial Pressure and Roll-Over Test. *Biomed Res Int* 2019. <https://doi.org/10.1155/2019/2917895>
- Santoro, N., 2015a. Perimenopause: From Research to Practice 00, 1–8. <https://doi.org/10.1089/jwh.2015.5556>
- Santoro, N., 2015b. Perimenopause: From Research to Practice 00, 1–8. <https://doi.org/10.1089/jwh.2015.5556>
- Santoro, N., Epperson, C.N., Mathews, S.B., 2015a. Menopausal Symptoms and Their Management. *Endocrinol Metab Clin North Am* 44, 497–515. <https://doi.org/10.1016/j.ecl.2015.05.001>
- Santoro, N., Epperson, C.N., Mathews, S.B., 2015b. Menopausal Symptoms and Their Management. *Endocrinol Metab Clin North Am* 44, 497–515. <https://doi.org/10.1016/j.ecl.2015.05.001>
- Sheikh, B.Y., Elsaed, W.M., Samman, A.H., Ladin, A.M.A. Bin, 2014a. AJWA DATES AS A PROTECTIVE AGENT AGAINST LIVER TOXICITY IN RAT 3, 358–368.
- Sheikh, B.Y., Elsaed, W.M., Samman, A.H., Ladin, A.M.A. Bin, 2014b. AJWA DATES AS A PROTECTIVE AGENT AGAINST LIVER TOXICITY IN RAT 3, 358–368.
- Sheikh, B.Y., Elsaed, W.M., Samman, A.H., Ladin, A.M.A. Bin, 2014c. AJWA DATES AS A PROTECTIVE AGENT AGAINST LIVER TOXICITY IN RAT 3, 358–368.
- Soelistijo, S.A., Lindarto, D., Decroli, E., Permana, H., Sucipto, K.W., Kusnadi, Y., Budiman, Ikhsan, R., 2019. Pedoman pengelolaan dan pencegahan diabetes melitus tipe 2 dewasa di Indonesia 2019. Perkumpulan Endokrinologi Indonesia 1–117.
- Tehrani, F.R., Mansournia, M.A., Solaymani-Dodaran, M., Azizi, F., 2014. Age-specific serum anti-Müllerian hormone levels: Estimates from a large nonpopulation-based sample. *Climacteric* 17, 591–597. <https://doi.org/10.3109/13697137.2014.912262>
- S., Sivanasan, D., Prasanna, G., 2012. Available online [www.jocpr.com](http://www.jocpr.com) Search Article Effect of Phoenix dactylifera on high fat diet induced obesity 48–352.



- Waugh, D.J.J., Wilson, C., 2008. The interleukin-8 pathway in cancer. *Clinical Cancer Research*. <https://doi.org/10.1158/1078-0432.CCR-07-4843>
- Yang, L., Chen, Y., Liu, Y., Xing, Y., Miao, C., Zhao, Y., 2021a. The Role of Oxidative Stress and Natural Antioxidants in Ovarian Aging. *Front. Pharmacol* 11, 1–19. <https://doi.org/10.3389/fphar.2020.617843>
- Yang, L., Chen, Y., Liu, Y., Xing, Y., Miao, C., Zhao, Y., 2021b. The Role of Oxidative Stress and Natural Antioxidants in Ovarian Aging 11, 1–19. <https://doi.org/10.3389/fphar.2020.617843>
- Yasui, T., Uemura, H., Tomita, J., Miyatani, Y., Yamada, M., Kuwahara, A., Matsuzaki, T., Maegawa, M., Tsuchiya, N., Yuzurihara, M., Takeda, S., Irahara, M., 2006. Association of interleukin-8 with hot flashes in premenopausal, perimenopausal, and postmenopausal women and bilateral oophorectomized women. *Journal of Clinical Endocrinology and Metabolism* 91, 4805–4808. <https://doi.org/10.1210/jc.2006-1100>



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## Lampiran 1. Surat Rekomendasi Persetujuan Etik

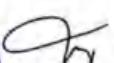


### REKOMENDASI PERSETUJUAN ETIK

Nomor: 63/UN4.6.4.5.31 / PP36/ 2023

Tanggal: 26 Januari 2023

Dengan ini Menyatakan bahwa Protokol dan Dokumen yang Berhubungan Dengan Protokol berikut ini telah mendapatkan Persetujuan Etik :

No Protokol	UH23010007	No Sponsor Protokol	
Peneliti Utama	dr.Nur Fatimah Sirajuddin, SpOG.Sub.Sp.Obgynsos	Sponsor	
Judul Peneliti	PENGARUH PEMERIAN BUAH KURMA AJWA (PHOENYX DACTILIFERA L) TERHADAP GAMBARAN KLINIS, SERUM KATALASE (CAT) DAN SERUM INTERLEUKIN-8 (IL-8) PADA PEREMPUAN PERIMENOPAUSE		
No Versi Protokol	2	Tanggal Versi	24 Januari 2023
No Versi PSP	2	Tanggal Versi	24 Januari 2023
Tempat Penelitian	RS Universitas Hasanuddin dan RSIA Sitti Khadijah I Makassar		
Jenis Review	<input type="checkbox"/> Exempted <input type="checkbox"/> Expedited <input checked="" type="checkbox"/> Fullboard Tanggal 19 Januari 2023	Masa Berlaku 26 Januari 2023 sampai 26 Januari 2024	Frekuensi review lanjutan
Ketua KEP Universitas Hasanuddin	Nama Prof.Dr.dr. Suryani As'ad, M.Sc.,Sp.GK (K)	Tanda tangan	
Sekretaris KEP Universitas Hasanuddin	Nama dr. Agussalim Bukhari, M.Med.,Ph.D.,Sp.GK (K)		

Kewajiban Peneliti Utama:

- Menyerahkan Amandemen Protokol untuk persetujuan sebelum di implementasikan
- Menyerahkan Laporan SAE ke Komisi Etik dalam 24 Jam dan dilengkapi dalam 7 hari dan Lapor SUSAR dalam 72 Jam setelah Peneliti Utama menerima laporan
- Menyerahkan Laporan Kemajuan (progress report) setiap 6 bulan untuk penelitian resiko tinggi dan setiap setahun untuk penelitian resiko rendah
- Menyerahkan laporan akhir setelah Penelitian berakhir
- Melaporkan penyimpangan dari protokol yang disetujui (protocol deviation / violation)

Mematuhi semua peraturan yang ditentukan



## **Lampiran 2.**

### **FORMULIR SKRINING PENELITIAN BUAH KURMA AJWA BAGI PEREMPUAN PERIMENOPAUSE**

1. Nama
2. Umur
3. Alamat
4. No Hp/WA.
5. Pekerjaan
6. Pendidikan terakhir
7. Status Perkawinan
8. Jumlah Anak
9. Riwayat Abortus
10. Riwayat Menstruasi
11. Tanggal Hari Pertama Haid Terakhir
12. Gejala PCOS (ada / tidak)
  - a. Siklus menstruasi normal
  - b. Siklus menstruasi tidak teratur
    - I. Polymenorrhea/Oligomenorrhea/Amenorrhea
    - II. Menorrhagia/brachymenorrhea
    - III. Hypermenorrhea/hypomenorrhea
    - IV. Metrorragia/menometrorragia
    - V. Dismenore
  - c. Kenaikan berat badan atau kesulitan menurunkan berat badan
  - d. Lama memiliki anak
- eluhan Perimenopause
  - a. Gangguan siklus menstruasi
  - b. Gangguan mood



- c. Hot Flushes
  - d. Berdebar- debar
  - e. Insomnia / stres / depresi
  - f. Gangguan Psikosomatik
  - g. Poliuria
  - h. Kulit Kering
  - i. Gangguan hubungan seksual
  - j. Atrofi / kekeringan pada vagina
14. Riwayat Penggunaan Kontrasepsi
15. Riwayat Operasi Ovarium / Kandungan
16. Riwayat Penyakit Kronik (HT, DM, Jantung, Penyakit Ginjal Kronik)
17. Riwayat Kebiasaan (Merokok, konsumsi suplemen)
18. Riwayat makan kurma sebelumnya:

## **PEMERIKSAAN FISIK**

- a. Kepala : Penipisan rambut atau kebotakan
- b. Wajah : Jerawat , hirsutisme
- c. Mata, exophthalmos / gangguan bidang terlihat
- d. Leher : tidak ada benjolan / tiroid
- e. Dada : Tidak ada benjolan di payudara dan ada atau tidak galaktorea
- f. Kulit : hiperpigmentasi menjadi gelap, terutama di daerah lipatan leher, selangkangan dan lipatan payudara



### Lampiran 3. Dokumentasi Penelitian



Gambar 1.Kurma Ajwa dari Distributor



Gambar 2. Pengemasan Paket Kurma



Gambar 3. Paket Kurma Ajwa untuk Kelompok Intervensi





Gambar 4. Skrining Calon Subjek Penelitian



Gambar 5. Pemeriksaan USG Abdominal





Gambar 6. Pemeriksaan Antropometrik Subjek Penelitian



Gambar 7. Skrinimg Pemeriksaan GDP





Gambar 8. Pemeriksaan Tekanan Darah Pada Kontrol Mingguan Subjek Penelitian



Gambar 9. Pemeriksaan Gula Darah Pada Kontrol Mingguan Subjek Penelitian





Gambar 10. Pemberian Paket Kurma Mingguan Kepada Subjek Penelitian



Gambar 11. Pemeriksaan Kadar Serum CAT dan Serum IL-8 Metode Elisa