

DAFTAR PUSTAKA

- Abaraogu, U. O., Tabansi-ochiogu, C. S., & Igwe, E. S. (2016). Effectiveness of exercise therapy on pain and quality of life of patients with primary dysmenorrhea : a systematic review with meta-analysis Egzersiz tedavisinin primer dismenoreli hastaların ağrı ve yaşam kalitesi üzerine etkinliği : *Turk J Phys Med Rehab*, 62(4), 346–354. <https://doi.org/10.5606/tftrd.2016.95580>
- Abu Helwa, H. A., Mitaeb, A. A., Al-Hamshri, S., & Sweileh, W. M. (2018). Prevalence of dysmenorrhea and predictors of its pain intensity among Palestinian female university students. *BMC Women's Health*, 18(1), 18. <https://doi.org/10.1186/s12905-018-0516-1>
- Acheampong, K., Baffour-Awuah, D., Ganu, D., Appiah, S., Pan, X., Kaminga, A., & Liu, A. (2019). Prevalence and predictors of dysmenorrhea, its effect, and coping mechanisms among adolescents in Shai Osudoku district, Ghana. *Obstetrics and Gynecology International*, 2019. <https://doi.org/10.1155/2019/5834159>
- Akbarzadeh, M., Tayebi, N., & Abootalebi, M. (2017). The Relationship between Age at Menarche and Primary Dysmenorrhea in Female Students of Shiraz Schools. *Shiraz E-Medical Journal*, 18(9). <https://doi.org/10.5812/semj.14520>
- Al-Matouq, S., Al-Mutairi, H., Al-Mutairi, O., Abdulaziz, F., Al-Basri, D., Al-Enzi, M., & Al-Taiar, A. (2019). Dysmenorrhea among high-school students and its associated factors in Kuwait. *BMC Pediatrics*, 19(1), 80. <https://doi.org/10.1186/s12887-019-1442-6>
- Ameade, E. P. K., Amalba, A., & Mohammed, B. S. (2018). Prevalence of dysmenorrhea among University students in Northern Ghana; its impact and management strategies. *BMC Women's Health*, 18(1), 1–9. <https://doi.org/10.1186/s12905-018-0532-1>
- Ameade, E. P. K., & Garti, H. A. (2016). Relationship between Female University

- Students' Knowledge on Menstruation and Their Menstrual Hygiene Practices: A Study in Tamale, Ghana. *Advances in Preventive Medicine*, 2016, 1–10. <https://doi.org/10.1155/2016/1056235>
- Armour, M., Parry, K., Al-Dabbas, M. A., Curry, C., Holmes, K., MacMillan, F., Ferfolja, T., & Smith, C. A. (2019). Self-care strategies and sources of knowledge on menstruation in 12,526 young women with dysmenorrhea: A systematic review and meta-analysis. *PLOS ONE*, 14(7), e0220103. <https://doi.org/10.1371/journal.pone.0220103>
- Ayu, M. R., Alioes, Y., & Rahmatini, R. (2015). Hubungan Derajat Nyeri Dismenorea terhadap Penggunaan Obat Anti Inflamasi Non Steroid. *Jurnal Kesehatan Andalas*, 4(2). <https://doi.org/10.25077/jka.v4i2.298>
- Bae, J. (2018a). *Factors associated with menstrual cycle irregularity and menopause*. 11. <https://doi.org/https://doi.org/10.1186/s12905-018-0528-x>
- Bae, J. (2018b). *Factors associated with menstrual cycle irregularity and menopause*. 11. <https://doi.org/https://doi.org/10.1186/s12905-018-0528-x>
- Bahrami, A., Sadeghnia, H., Avan, A., Mirmousavi, S. J., Moslem, A., Eslami, S., Heshmati, M., Taghanaki, H. B., Ferns, G. A., & Ghayour-mobarhan, M. (2017). Neuropsychological function in relation to dysmenorrhea in adolescents. *European Journal of Obstetrics and Gynecology*. <https://doi.org/10.1016/j.ejogrb.2017.06.030>
- Bahrudin, M. (2017). *PATOFSIOLOGI NYERI (PAIN)*. 7. [http://files/231/Bahrudin - PATOFISIOLOGI NYERI \(PAIN\).pdf](http://files/231/Bahrudin - PATOFISIOLOGI NYERI (PAIN).pdf)
- Bajalan, Z., Alimoradi, Z., & Moafi, F. (2019). Nutrition as a Potential Factor of Primary Dysmenorrhea: A Systematic Review of Observational Studies. *Gynecologic and Obstetric Investigation*, 84(3), 209–224. <https://doi.org/10.1159/000495408>
- Bajalan, Z., Moafi, F., MoradiBaglooei, M., & Alimoradi, Z. (2019). Mental health and primary dysmenorrhea: a systematic review. *Journal of*

- Psychosomatic Obstetrics & Gynecology*, 40(3), 185–194.
<https://doi.org/10.1080/0167482X.2018.1470619>
- Barcikowska, Z., Rajkowska-Labon, E., Grzybowska, M. E., Hansdorfer-Korzon, R., & Zorena, K. (2020). Inflammatory Markers in Dysmenorrhea and Therapeutic Options. *Int. J. Environ. Res. Public Health*, 14. <http://files/150/Barcikowska et al. - 2020 - Inflammatory Markers in Dysmenorrhea and Therapeut.pdf>
- Bernardi, M., Lazzeri, L., Perelli, F., Reis, F. M., & Petraglia, F. (2017). Dysmenorrhea and related disorders. *F1000Research*, 6, 1645. <https://doi.org/10.12688/f1000research.11682.1>
- Bialystok, E. (2017). 乳鼠心肌提取. In *Physiology & behavior* (Vol. 176, Nomor 3). <https://doi.org/10.1097/GRF.0000000000000164>. Epidemiology
- Bianchin, L., Bozzola, M., Battistella Pier, A., Bernasconi, S., Bona, G., Buzi, F., De Sanctis, C., De Sanctis, V., Tonini, G., Radetti, G., Rigon, F., & Perissinotto, E. (2019). Menstrual Cycle and Headache in Teenagers. *Indian Journal of Pediatrics*, 86, 25–33. <https://doi.org/10.1007/s12098-018-2829-3>
- Biro, F. M., Pajak, A., Wolff, M. S., Pinney, S. M., Windham, G. C., Galvez, M. P., Greenspan, L. C., Kushi, L. H., & Teitelbaum, S. L. (2018). Age of Menarche in a Longitudinal US Cohort. *Journal of Pediatric and Adolescent Gynecology*, 31(4), 339–345. <https://doi.org/10.1016/j.jpag.2018.05.002>
- Carman, K. B., Arslantas, D., Unsal, A., Atay, E., Ocal, E. E., Demirtas, Z., Saglan, R., Dinleyici, M., & Yarar, C. (2018). Menstruation-related headache in adolescents: Point prevalence and associated factors. *Pediatrics International*, 60(6), 576–580. <https://doi.org/10.1111/ped.13572>
- Çay, B., & Saka, S. (2020). Genç Yetişkinlerde Kısa Süreli Aerobik Egzersizin Dismenore Üzerine Etkisi. *Sağlık Profesyonelleri Araştırma Dergisi / Journal of Health Professionals Research*, 2(3), 94–101.
- Chandran, R. (2019). *Pain Assessment in Children Using a Modified Wong Baker*

- Faces Pain Rating Scale.* 4. <http://files/251/Chandran - Pain Assessment in Children Using a Modified Wong .pdf>
- Chen, C. X. (2018). *What women say about their dysmenorrhea: a qualitative thematic analysis.* 8. <http://files/208/Chen - 2018 - What women say about their dysmenorrhea a qualita.pdf>
- Chung, K. C., & Derntl, B. (2016). The Influence of Menstrual Cycle and Androstadienone on Female Stress Reactions: An fMRI Study. *Frontiers in Human Neuroscience,* 10, 13. <https://doi.org/https://doi.org/10.3389/fnhum.2016.00044>
- Çinar, G. N., Akbayrak, T., Gür, C., Baran, E., & Üzelpasac, E. (2020). Factors Related to Primary Dysmenorrhea in Turkish Women: a Multiple Multinomial Logistic Regression Analysis. *Reproductive Sciences.*
- Coast, E., Lattof, S. R., & Strong, J. (2019). Puberty and menstruation knowledge among young adolescents in low- and middle-income countries: a scoping review. *International Journal of Public Health,* 64(2), 293–304. <https://doi.org/10.1007/s00038-019-01209-0>
- Critchley, H. O. D., Babayev, E., Bulun, S. E., Clark, S., Garcia-Grau, I., Gregersen, P. K., Kilcoyne, A., Kim, J.-Y. J., Lavender, M., Marsh, E. E., Matteson, K. A., Maybin, J. A., Metz, C. N., Moreno, I., Silk, K., Sommer, M., Simon, C., Tariyal, R., Taylor, H. S., ... Griffith, L. G. (2020). Menstruation: science and society. *American Journal of Obstetrics and Gynecology,* 223(5), 624–664. <https://doi.org/10.1016/j.ajog.2020.06.004>
- Critchley, H. O. D., Maybin, J. A., Armstrong, G. M., & Williams, A. R. W. (2020). Physiology of the endometrium and regulation of menstruation. *Physiological Reviews,* 100(3), 1149–1179. <https://doi.org/10.1152/physrev.00031.2019>
- Dawood, M. Y., & Khan-Dawood, F. S. (2007). Clinical efficacy and differential inhibition of menstrual fluid prostaglandin F2 α in a randomized, double-blind, crossover treatment with placebo, acetaminophen, and ibuprofen in

- primary dysmenorrhea. *American Journal of Obstetrics and Gynecology*, 196(1), 35.e1-35.e5. <https://doi.org/10.1016/j.ajog.2006.06.091>
- Dergisi, T., & Güvey, H. (2019). *Derleme Review Adölesnlarda Primer Dismenore Ve Tedavi Yaklaşimları Primary Dysmnorhea In Adolescents and Therapeutic Approaches*. 160–166.
- Dwihestie, L. K. (2018). *Dismenore Primer Pada Remaja Putri*. 024(2014), 2014.
- Esen, İ., Oğuz, B., & Serin, H. M. (2016). Menstrual characteristics of pubertal girls: A questionnaire-based study in Turkey. *JCRPE Journal of Clinical Research in Pediatric Endocrinology*, 8(2), 192–196. <https://doi.org/10.4274/jcrpe.2026>
- Farinendya, A., Muniroh, L., & Buanasita, A. (2019). Hubungan Tingkat Kecukupan Zat Gizi dan Siklus Menstruasi dengan Anemia pada Remaja Putri. *Amerta Nutrition*, 3(4), 298. <https://doi.org/10.20473/amnt.v3i4.2019.298-304>
- Februanti, S., Kartilah, T., Hartono, D., & Aryanti, D. (2020). Adolescent Dismenore Prevalence in West Java, Indonesia: Preliminary Study. *Journal of critical reviews*, 7(13), 681–684. <https://doi.org/10.31838/jcr.07.13.112>
- Fernández-Martínez, E., Onieva-Zafra, M. D., & Laura Parra-Fernández, M. (2018). Lifestyle and prevalence of dysmenorrhea among Spanish female university students. *PLoS ONE*, 13(8), 1–11. <https://doi.org/10.1371/journal.pone.0201894>
- Findlay, R. J., MacRae, E. H. R., Whyte, I. Y., Easton, C., & Forrest, L. J. (2020). How the menstrual cycle and menstruation affect sporting performance: Experiences and perceptions of elite female rugby players. *British Journal of Sports Medicine*, 54(18), 1108–1113. <https://doi.org/10.1136/bjsports-2019-101486>
- Firdawati, Sunesni, & Monica, T. F. (2020). Relationship Between Characteristic of Teenage Girls With Primary Dismenorea Incidence Female Students in

- Grade X and Grade Xi At Senior High School 1 Padang City in 2017. *1st Annual Conference of Midwifery*, 282–291.
<https://doi.org/10.2478/9788366675087-034>
- Fitri, N. F., & Adelya, B. (2017). *Kematangan emosi remaja dalam pengentasan masalah*. 2(2), 10. <http://files/247/Fitri and Adelya - 2017 - Kematangan emosi remaja dalam pengentasan masalah.pdf>
- Foster, R., Vaisberg, M., & Bach, A. L. L. (2019). Premenstrual Syndrome, Inflammatory Status, and Mood States in Soccer Players. *Universitat de Barcelona*, 6. <http://files/214/Foster et al. - Premenstrual Syndrome, Inflammatory Status, and Mo.pdf>
- Fukaya, K., Kawamori, A., Osada, Y., Kitazawa, M., & Ishiguro, M. (2017). The forecasting of menstruation based on a state-space modeling of basal body temperature time series: K. FUKAYA ET AL . *Statistics in Medicine*, 36(21), 3361–3379. <https://doi.org/10.1002/sim.7345>
- Gill, D. (2018a). *Age at menarche and adult body mass index: a Mendelian randomization study*. 17. <https://doi.org/https://doi.org/10.1038/s41366-018-0048-7>
- Gill, D. (2018b). *Age at menarche and adult body mass index: a Mendelian randomization study*. 17. <https://doi.org/https://doi.org/10.1038/s41366-018-0048-7>
- Gunn, H. M., Tsai, M. C., McRae, A., & Steinbeck, K. S. (2018). Menstrual Patterns in the First Gynecological Year: A Systematic Review. *Journal of Pediatric and Adolescent Gynecology*, 31(6), 557-565.e6. <https://doi.org/10.1016/j.jpag.2018.07.009>
- Gustin, T. (2019). Rebusan Buah Asam dan Jahe Sebagai Upaya Mengurangi Dismenore. *Faletehan Health Journal*, 6(1), 11–15. <https://doi.org/10.33746/fhj.v6i1.23>
- Hall, J. E. (2019). *Chapter 7 - Neuroendocrine Control of the Menstrual Cycle*.

24. <http://files/212/Hall - Chapter 7 - Neuroendocrine Control of the Menstrua.pdf>
- Harlow, S. D., & Campbell, O. M. R. (2004). Epidemiology of menstrual disorders in developing countries: a systematic review. *BJOG: An International Journal of Obstetrics and Gynaecology*, 111(1), 6–16. <https://doi.org/10.1111/j.1471-0528.2004.00012.x>
- Hawkey, A. J., ussher, J. M., perz, janette, & matusela, christine. (2016). Experiences and Constructions of Menarche and Menstruation Among Migrant and Refugee Women. *Qualitative Health Research*, 18. <https://doi.org/DOI: 10.1177/1049732316672639>
- Herawati, R. (2017). *Faktor-Faktor Yang Mempengaruhi Kejadian Nyeri Haid (Dismenorea) Pada Siswi Madrasah Aliyah Negeri Pasir Pengaraian*. 12. <http://files/204/2017 - Rika Herawati Faktor-Faktor Yang Mempengaruhi Ke.pdf>
- Herbison, A. E. (2016). Control of puberty onset and fertility by gonadotropin-releasing hormone neurons. *Nature Reviews Endocrinology*, 12(8), 452–466. <https://doi.org/10.1038/nrendo.2016.70>
- Hurd, W. W. (2017). Clinical Reproductive Medicine and Surgery. In *Clinical Reproductive Medicine and Surgery*. <https://doi.org/10.1007/978-3-319-52210-4>
- Hutagaol, I. O., Arifuddin, S., & Syamsudin, S. (2018). Pengaruh Suplementasi Vitamin E Terhadap Kadar Prostaglandin (PGF_{2α}) dan Intensitas Nyeri Haid (Dysmenorrhea) Primer Pada Remaja Putri. *SEAJOM: The Southeast Asia Journal of Midwifery*, 4(2), 70–75. <https://doi.org/10.36749/seajom.v4i2.36>
- Id, O., Herd, H., & Eirberg, N. (2018). Menstruation, objectification and health-related quality of life: a questionnaire study. *Journal of Clinical Nursing*, Volume 27(edisi 3-4), 513. <https://doi.org/10.1111/ijlh.12426>
- Irianti, B. (2018a). *FAKTOR-FAKTOR YANG MEMPENGARUHI KEJADIAN*

- DISMENORE PADA REMAJA.* 6. <http://files/163/Irianti - 2018 - FAKTOR-FAKTOR YANG MEMPENGARUHI KEJADIAN DISMENORE.pdf>
- Irianti, B. (2018b). *FAKTOR-FAKTOR YANG MEMPENGARUHI KEJADIAN DISMENORE PADA REMAJA.* 6. <http://files/459/Irianti - 2018 - FAKTOR-FAKTOR YANG MEMPENGARUHI KEJADIAN DISMENORE.pdf>
- Jiang, W., Hua, X.-G., Hu, C.-Y., Li, F.-L., Huang, K., & Zhang, X.-J. (2018). The prevalence and risk factors of menstrual pain of married women in Anhui Province, China. *European Journal of Obstetrics & Gynecology and Reproductive Biology*, 229, 190–194. <https://doi.org/10.1016/j.ejogrb.2018.09.002>
- Ju, H., Jones, M., & Mishra, G. D. (2016). Smoking and trajectories of dysmenorrhoea among young Australian women. *Tobacco Control*, 25(2), 195–202. <https://doi.org/10.1136/tobaccocontrol-2014-051920>
- Kamel, D. M., Tantawy, S. A., & Abdelsamea, G. A. (2017). Experience of dysmenorrhea among a group of physical therapy students from Cairo University: An exploratory study. *Journal of Pain Research*, 10, 1079–1085. <https://doi.org/10.2147/JPR.S132544>
- Kang, S. (2020). The Relationship Between Menstruation Cycle and Exercise Participation in Korean Female College Students. *research square*, 1–16. <https://doi.org/10.21203/rs.3.rs-107764/v1>
- Kaur Randhawa, J. (2016). Effect of Dietary Habits and Socio-economic Status on Menstrual Disorders among Young Females. *American Journal of BioScience*, 4(3), 19. <https://doi.org/10.11648/j.ajbio.s.2016040301.14>
- Keogh, E., Cavill, R., Moore, D. J., & Eccleston, C. (2014). The effects of menstrual-related pain on attentional interference. *Pain*, 155(4), 821–827. <https://doi.org/10.1016/j.pain.2014.01.021>
- Kho, K. A., & Shields, J. K. (2020). Diagnosis and Management of Primary Dysmenorrhea. *JAMA*, 323(3), 268. <https://doi.org/10.1001/jama.2019.16921>

- Kistner, R. W. (2020). Dysmenorrhea and Endometriosis. *Modern treatment*, 90(3), 150–164.
- Kocaoz, S., Cirpan, R., & Degirmencioglu, A. Z. (2019). The prevalence and impacts heavy menstrual bleeding on anemia, fatigue and quality of life in women of reproductive age. *Pakistan Journal of Medical Sciences*, 35(2), 365–370. <https://doi.org/10.12669/pjms.35.2.644>
- Kristianingsih, A. (2016). Faktor Risiko Dismenore Primer pada Siswi Sekolah Menengah Pertama (SMP X) Kecamatan Natar Kabupaten Lampung Selatan. *Jurnal Aisyah : Jurnal Ilmu Kesehatan*, 1(1), 19–27. <https://doi.org/10.30604/jika.v1i1.4>
- Kulkarni, A., & Deb, S. (2019). Dysmenorrhoea. *Obstetrics, Gynaecology & Reproductive Medicine*, 29(10), 286–291. <https://doi.org/10.1016/j.oegr.2019.06.002>
- Kulsum, U., & Astuti, D. (2020). *The Menstrual Cycle and Nutritional Status*. 27(ICoSHEET 2019), 199–202. <https://doi.org/10.2991/ahsr.k.200723.050>
- Kusev, P. (2017). Understanding Risky Behavior: The Influence of Cognitive, Emotional and Hormonal Factors on Decision-Making under Risk. *Frontiers in Psychology*, 8, 10. <http://files/277/Kusev - 2017 - Understanding Risky Behavior The Influence of Cog.pdf>
- Kusnaningsih, A. (2020). Prevalensi Dismenore pada Remaja Putri di Madrasah Aliyah Darul Ulum dan Miftahul Jannah Palangka Raya. *Jurnal Surya Medika*, 5(2), 1–8. <https://doi.org/10.33084/jsm.v5i2.1247>
- Kwak, Y., Kim, Y., & Baek, K. A. (2019). Prevalence of irregular menstruation according to socioeconomic status: A population-based nationwide cross-sectional study. *PLoS ONE*, 14(3), 1–12. <https://doi.org/10.1371/journal.pone.0214071>
- Lail, N. H. (2019). Hubungan Status Gizi, Usia Menarche dengan Dismenorea pada Remaja Putri Di SMK K Tahun 2017. *Jurnal Ilmiah Kebidanan*

- Indonesia*, 9(02), 88–95. <https://doi.org/10.33221/jiki.v9i02.225>
- Larasati, T. A., & Alatas, F. (2016). *Dismenore Primer dan Faktor Risiko Dismenore Primer pada Remaja*. 6. <http://files/169/Larasati and Alatas - Dismenore Primer dan Faktor Risiko Dismenore Prime.pdf>
- Lawson, S. L., Hogg, M. M., Moore, C. G., Anderson, W. E., Osipoff, P. S., Runyon, M. S., & Reynolds, S. L. (2019). Pediatric Pain Assessment in the Emergency Department: Patient and Caregiver Agreement Using the Wong-Baker FACES and the Faces Pain Scale-Revised. *Pediatric Emergency Care, Publish Ah.* <https://doi.org/10.1097/PEC.0000000000001837>
- Ledesma, R. G. (2015). Defining adolescence. *Journal of adolescent and family health*, 7(2), 2., 42(2), 119–119. <https://doi.org/10.1037/000574>
- Lestari, D. R., Citrawati, M., & Hardini, N. (2018). Hubungan Aktivitas Fisik dan Kualitas Tidur dengan Dismenorea pada Mahasiswi FK UPN “Veteran” Jakarta. *Majalah Kedokteran Andalas*, 41(2), 48. <https://doi.org/10.25077/mka.v41.i2.p48-58.2018>
- Lestari, M. D., Ainurokhmah, A., Suruklusy, B. L., Rahayu, D., Anwar, K., Novia, P., Novalia, R. I. D., & Wahyuni, S. (2019). *IMPROVING KNOWLEDGE OF ADOLESCENT WOMEN ABOUT MENSTRUATION THROUGH HEALTH PROMOTION*. 4. <https://doi.org/https://doi.org/10.36720/csji.v1i2.133>
- Li, R., Li, B., Kreher, D. A., Benjamin, A. R., Gubbels, A., & Smith, S. M. (2020). Association between dysmenorrhea and chronic pain: a systematic review and meta-analysis of population-based studies. *American Journal of Obstetrics and Gynecology*, 223(3), 350–371. <https://doi.org/10.1016/j.ajog.2020.03.002>
- Luyssen, J., Jans, G., Bogaerts, A., Ceulemans, D., Matthys, C., Van der Schueren, B., Lannoo, M., Verhaeghe, J., Lemmens, L., Lannoo, L., Shawe, J., & Devlieger, R. (2018). Contraception, Menstruation, and Sexuality after Bariatric Surgery: a Prospective Cohort Study. *Obesity Surgery*, 28(5), 1385–

1393. <https://doi.org/10.1007/s11695-017-3033-7>
- Marván, M. L., Catillo-López, R. L., Alcalá-Herrera, V., & Callejo, D. del. (2016). The Decreasing Age at Menarche in Mexico. *Journal of Pediatric and Adolescent Gynecology*, 29(5), 454–457. <https://doi.org/10.1016/j.jpag.2016.02.006>
- Maryam, Ritonga, M. A., & Istriati. (2016). Relationship between Menstrual Profile and Psychological Stress with Dysmenorrhea. *Althea Medical Journal*, 3(3), 382–387. <https://doi.org/10.15850/amj.v3n3.884>
- Matteson, K. A. (2019). *Menstrual Health as a Part of Preventive Health Care*. 13. <https://doi.org/https://doi.org/10.1016/j.ogc.2019.04.004>
- Mau, R. A., Kurniawan, H., & Dewajanti, A. M. (2020). Hubungan Siklus dan Lama Menstruasi pada Mahasiswa Fakultas Kedokteran Urida dengan Nyeri Menstruasi. *Jurnal Kedokteran Meditek*, 26(3), 139–145. <https://doi.org/10.36452/jkdoktmeditek.v26i3.1946>
- Melda Friska Manurung, S., Utami, S. R. H., & Rahmalia, H. (2015). 高橋由佳 †1) 藤本悠 †2) 林泰弘 †3) †. 2(2).
- Mendle, J., Ryan, R. M., & McKone, K. M. P. (2018). Age at menarche, depression, and antisocial behavior in adulthood. *Pediatrics*, 141(1). <https://doi.org/10.1542/peds.2017-1703>
- Mishra, G. D., Pandeya, N., Dobson, A. J., Chung, H.-F., Anderson, D., Kuh, D., Sandin, S., Giles, G. G., Bruinsma, F., Hayashi, K., Lee, J. S., Mizunuma, H., Cade, J. E., Burley, V., Greenwood, D. C., Goodman, A., Kildev, M., Adami, H.-O., Demakakos, P., & Weiderpass, E. (2017). Early menarche, nulliparity and the risk for premature and early natural menopause. 8. <https://doi.org/10.1093/humrep/dew350>
- Motahari-Tabari, N., Shirvani, M. A., & Alipour, A. (2017). Comparison of the effect of stretching exercises and mefenamic acid on the reduction of pain and menstruation characteristics in primary dysmenorrhea: A randomized

- clinical trial. *Oman Medical Journal*, 32(1), 47–53. <https://doi.org/10.5001/omj.2017.09>
- Muluneh, A. A. (2018). *Prevalence and associated factors of dysmenorrhea among secondary and preparatory school students in Debremarkos town, North-West Ethiopia*. 8. <http://files/255/Muluneh - 2018 - Prevalence and associated factors of dysmenorrhea .pdf>
- Notley, S. R., Dervis, S., Poirier, M. P., & Kenny, G. P. (2019). Menstrual cycle phase does not modulate whole body heat loss during exercise in hot, dry conditions. *Journal of Applied Physiology*, 126(2), 286–293. <https://doi.org/10.1152/japplphysiol.00735.2018>
- Nur, P., Aryadi, A., & Andi, N. (2020). *Pengaruh Pemberian Senam Dismenore dan Abdominal Stretching Exercise terhadap Kadar Prostaglandin dan Endorfin pada Remaja*. 12(2), 7. <http://files/161/Nur et al. - 2020 - Pengaruh Pemberian Senam Dismenore dan Abdominal S.pdf>
- omidvar, S., Amiri, F., Bakhtiari, A., & Begum, K. (2018). A study on menstruation of Indian adolescent girls in an urban area of South India. *Journal of Family Medicine and Primary Care*, 7(4), 698. https://doi.org/10.4103/jfmpc.jfmpc_258_17
- omidvar, S., Bakouei, F., Amiri, F. N., & Begum, K. (2015). Primary Dysmenorrhea and Menstrual Symptoms in Indian Female Students: Prevalence, Impact and Management. *Global Journal of Health Science*, 8(8), 135. <https://doi.org/10.5539/gjhs.v8n8p135>
- Osuga, Y., Hayashi, K., & Kanda, S. (2020). Long-term use of dienogest for the treatment of primary and secondary dysmenorrhea. *Journal of Obstetrics and Gynaecology Research*, 46(4), 606–617. <https://doi.org/10.1111/jog.14209>
- Patton, G. C. (2018). *Adolescence and the next generation*. 18. <https://doi.org/doi:10.1038/nature25759>
- Pavlicev, M., & Norwitz, E. R. (2018). Human Parturition: Nothing More Than a

- Delayed Menstruation. *Reproductive Sciences*, 25(2), 166–173.
<https://doi.org/10.1177/1933719117725830>
- Payne, L. A., Rapkin, A. J., Lung, K. C., Seidman, L. C., Zeltzer, L. K., & Tsao, J. C. I. (2016). Pain Catastrophizing Predicts Menstrual Pain Ratings in Adolescent Girls with Chronic Pain. *american Academy of Pain Medicine*, 16–24. <https://doi.org/10.1111/pme.12869>
- Payne, L. A., Seidman, L. C., Sim, M. S., Rapkin, A. J., Naliboff, B. D., & Zeltzer, L. K. (2019). Experimental evaluation of central pain processes in young women with primary dysmenorrhea. *Pain*, 160(6), 1421–1430. <https://doi.org/10.1097/j.pain.0000000000001516>
- Pundati, T. M., Sistiarani, C., & Hariyadi, B. (2016). *FAKTOR-FAKTOR YANG BERHUBUNGAN DENGAN KEJADIAN DISMENORE PADA MAHASISWA SEMESTER VIII UNIVERSITAS JENDERAL SOEDIRMAN PURWOKERTO*. 8(1), 9. <http://files/130/Pundati et al. - 2016 - FAKTOR-FAKTOR YANG BERHUBUNGAN DENGAN KEJADIAN DIS.pdf>
- Putra, M. E. P., Pramitaresti, I. G. A., & Yanti, N. P. E. D. (2020). HUBUNGAN DISMENORE PRIMER DENGAN PRESTASI BELAJAR MAHASISWI PROGRAM STUDI ILMU KOMUNIKASI FISIP UNUD. *Coping: Community of Publishing in Nursing*, 8(3), 224. <https://doi.org/10.24843/coping.2020.v08.i03.p02>
- Rafique, N., & Al-Sheikh, M. (2018). Prevalence of menstrual problems and their association with psychological stress in young female students studying health sciences. *Saudi Medical Journal*, 39(1), 67–73. <https://doi.org/10.15537/smj.2018.1.21438>
- Rahmadhayanti, E., & Rohmin, A. (2016). *HUBUNGAN STATUS GIZI DAN USIA MENARCHE DENGAN DISMENORHEA PRIMER PADA REMAJA PUTRI KELAS XI SMA NEGERI 15 PALEMBANG*. 5. <http://files/263/Rahmadhayanti and Rohmin - HUBUNGAN STATUS GIZI DAN USIA MENARCHE DENGAN DISM.pdf>

- Raja, S. N., Carr, D. B., Cohen, M., Finnerup, N. B., Flor, H., Gibson, S., Keefe, F. J., Mogil, J. S., Ringkamp, M., Sluka, K. A., Song, X.-J., Stevens, B., Sullivan, M. D., Tutelman, P. R., Ushida, T., & Vader, K. (2020). The revised International Association for the Study of Pain definition of pain: concepts, challenges, and compromises. *Pain*, 161(9), 1976–1982. <https://doi.org/10.1097/j.pain.0000000000001939>
- Resmiati. (2020). Aktivitas Fisik, Magnesium, Status Gizi, Dan Riwayat Alergi Sebagai Faktor Determinan Dismenore. *Jurnal Endurance*, 5(1), 79. <https://doi.org/10.22216/jen.v5i1.4670>
- Rodríguez, E. S., Castarlenas, E., Vega, R. de la, Roset, R. and M., & Miró, J. (2016). On the electronic measurement of pain intensity: Can we use different pain intensity scales interchangeably? *Journal of Health Psychology*, 10. <http://files/237/On the electronic measurement of pain intensity C.pdf>
- Ryan, S. A. (2017). The Treatment of Dysmenorrhea. *Pediatric Clinics of North America*, 64(2), 331–342. <https://doi.org/10.1016/j.pcl.2016.11.004>
- S., N. G., Priyadarshini, S., & Shetty, S. (2014). DYSMENORRHOEA AMONG ADOLESCENT GIRLS - CHARACTERISTICS AND SYMPTOMS EXPERIENCED DURING MENSTRUATION. *Journal of Health and Allied Sciences NU*, 04(03), 45–52. <https://doi.org/10.1055/s-0040-1703800>
- S Saleh, H., & E Mowafy, H. (2016a). Stretching or Core Strengthening Exercises for Managing Primary Dysmenorrhea. *Journal of Womens Health Care*, 05(01). <https://doi.org/10.4172/2167-0420.1000295>
- S Saleh, H., & E Mowafy, H. (2016b). Stretching or Core Strengthening Exercises for Managing Primary Dysmenorrhea. *Journal of Womens Health Care*, 05(01). <https://doi.org/10.4172/2167-0420.1000295>
- Sachedin, A., & Todd, N. (2020). Dysmenorrhea, Endometriosis and Chronic Pelvic Pain in Adolescents. *Journal of Clinical Research in Pediatric Endocrinology*, 12(1), 7–17.

<https://doi.org/10.4274/jcrpe.galenos.2019.2019.S0217>

Šaffa, G., Kubicka, A. M., Hromada, M., & Kramer, K. L. (2019). Is the timing of menarche correlated with mortality and fertility rates? *PLOS ONE*, 14(4), e0215462. <https://doi.org/10.1371/journal.pone.0215462>

Samani, R. O., Hashiani, A. A., Razavi, M., Vesali, S., Rezaeinejad, M., Maroufizadeh, S., & Sepidarkish, M. (2018). The prevalence of menstrual disorders in Iran: A systematic review and meta-analysis. *int J Repro Med*, 16(11), 665–678.

Sanctis, V. De, Soliman, A., Bernasconi, S., Bianchin, L., Bona, G., Bozzola, M., Buzi, F., Sanctis, C. De, Tonini, G., Rigon, F., & Perissinotto, E. (2016). *Definition and self-reported pain intensity in adolescents with dysmenorrhea: A debate report*. 14(2), 8. <http://files/182/Sanctis et al. - 2016 - Definition and self-reported pain intensity in ado.pdf>

Sharghi, M., Mansurkhani, S. M., Ashtary-Larky, D., Kooti, W., Niksefat, M., Firoozbakht, M., Behzadifar, M., Azami, M., Servatyari, K., & Jouybari, L. (2019). An update and systematic review on the treatment of primary dysmenorrhea. *Jornal Brasileiro de Reproducao Assistida*, 23(1), 51–57. <https://doi.org/10.5935/1518-0557.20180083>

Shen, H. H., Zhang, T., Yang, H. L., Lai, Z. Z., Zhou, W. J., Mei, J., Shi, J. W., Zhu, R., Xu, F. Y., Li, D. J., Ye, J. F., & Li, M. Q. (2021). Ovarian hormones-autophagy-immunity axis in menstruation and endometriosis. *Theranostics*, 11(7), 3512–3526. <https://doi.org/10.7150/THNO.55241>

Shenavandeh, S., Asis, M., Eftekhari, M. H., Aflaki, E., Abdollahifard, G. R., Abnavi, M. A., & Ahmadi, A. (2020). The Patients' Beliefs Regarding the Role of Food, Mucosal Trauma, Menstruation, and Psychological Stress in the Recurrence of Behçet's Disease Symptoms. *Journal of medicine and life*, 13(2), 164–169. <https://doi.org/10.25122/jml-2019-0153>

Simarmata, M. (2020). *KADAR PROSTAGLANDIN F_{2α} (PGF_{2α}) PADA MAHASISWI DISMENORE PRIMER AKPER DAN AKBID HARAPAN*

- MAMATAHUN 2017. 5. [http://files/159/Simarmata - KADAR PROSTAGLANDIN F2_α \(PGF2_α\) PADA MAHASISWI DIS.pdf](http://files/159/Simarmata - KADAR PROSTAGLANDIN F2α (PGF2α) PADA MAHASISWI DIS.pdf)
- Smith, R. P. (2018). *Dysmenorrhea and Menorrhagia*. Springer International Publishing. <http://files/167/2018 - Dysmenorrhea and Menorrhagia.pdf>
- Soesilowati, R., & Annisa, Y. (n.d.). PENGARUH USIA MENARCHE TERHADAP TERJADINYA DISMINORE PRIMER PADA SISWI MTS MAARIF NU AL HIDAYAH BANYUMAS. *Desember 2016*, 7. <http://files/396/Soesilowati and Annisa - PENGARUH USIA MENARCHE TERHADAP TERJADINYA DISMINO.pdf>
- Sood, M. (2017). Poor Correlation of Stress Levels and Menstrual Patterns among Medical Students. *Journal of ASIAN Behavioural Studies*, 6. <https://doi.org/https://doi.org/10.21834/jabs.v2i5.221>
- Sriprasert, I. (2017). *Heavy menstrual bleeding diagnosis and medical management*. 8. <https://doi.org/10.1186/s40834-017-0047-4>
- Susanti, A. V. (2012). Faktor Resiko Kejadian Menarche Dini pada Remaja di SMP N 30 Semarang. *Journal of Nutrition College*. 1 (1) : 386- 40., 36. <http://files/265/456 AGRES VIVI SUSANTI G2C008001.pdf>
- Sveinsdóttir, H. (2018). Menstruation, objectification and health-related quality of life: A questionnaire study. *Journal of Clinical Nursing*, 27(3–4), e503–e513. <https://doi.org/10.1111/jocn.14049>
- Wati, L. R., Arifandi, M. D., & Prastiwi, F. (2017). Hubungan Aktifitas Fisik dengan Derajat Dysmenorrhea Primer pada Remaja. *Journal Of Issues In Midwifery*, 1(2), 1–8. <https://doi.org/10.21776/ub.JOIM.2017.001.02.1>
- Wei, M., Cheng, Y., Bu, H., Zhao, Y., & Zhao, W. (2016). *Length of Menstrual Cycle and Risk of Endometriosis*. 95(9), 6. <http://files/273/Wei et al. - 2016 - Length of Menstrual Cycle and Risk of Endometriosi.pdf>
- Wei, S. Y., Chao, H. T., Tu, C. H., Li, W. C., Low, I., Chuang, C. Y., Chen, L. F., & Hsieh, J. C. (2016). Changes in functional connectivity of pain modulatory

- systems in women with primary dysmenorrhea. *Pain*, 157(1), 92–102. <https://doi.org/10.1097/j.pain.0000000000000340>
- Widowati, R., Kundaiyanti, R., & Ernawati, N. (2020). PENGARUH PEMBERIAN MINUMAN MADU KUNYIT TERHADAP TINGKAT NYERI MENSTRUASI. Vol ., 66, 16. <http://files/184/Widowati et al. - 2020 - PENGARUH PEMBERIAN MINUMAN MADU KUNYIT TERHADAP TI.pdf>
- Wong, C. L. (2018). Health-related quality of life among Chinese adolescent girls with Dysmenorrhoea. *Reproductive Health*, 15(1), 80. <https://doi.org/10.1186/s12978-018-0540-5>
- Wright, K. O. (2019). “You have Endometriosis”: Making Menstruation-Related Pain Legitimate in a Biomedical World. *Health Communication*, 34(8), 912–915. <https://doi.org/10.1080/10410236.2018.1440504>
- Wulandari, A. (2014). *KARAKTERISTIK PERTUMBUHAN PERKEMBANGAN REMAJA DAN IMPLIKASINYA TERHADAP MASALAH KESEHATAN DAN KEPERAWATANNYA*. 2(1), 5. <http://files/249/Wulandari - KARAKTERISTIK PERTUMBUHAN PERKEMBANGAN REMAJA DAN .pdf>
- Xiao, S., Coppeta, J. R., Rogers, H. B., Isenberg, B. C., Zhu, J., Olalekan, S. A., McKinnon, K. E., Dokic, D., Rashedi, A. S., Haisenleder, D. J., Malpani, S. S., Arnold-Murray, C. A., Chen, K., Jiang, M., Bai, L., Nguyen, C. T., Zhang, J., Laronda, M. M., Hope, T. J., ... Woodruff, T. K. (2017). A microfluidic culture model of the human reproductive tract and 28-day menstrual cycle. *Nature Communications*, 8(1), 14584. <https://doi.org/10.1038/ncomms14584>
- Yasmin, R., Afzal, M., & Hussain, M. (2019). *Knowledge , Attitude and Practice of Teenage Girls regarding Menstruation*. VII(1), 360–379.
- Yudiyanta, -, Khoirunnisa, N., & Novitasari, R. W. (2015). Assessment Nyeri. *Cermin Dunia Kedokteran*, 42(3), 214–234.

<http://www.cdkjournal.com/index.php/CDK/article/view/1034>

Yuliana. (2020). Wellness and Healthy Magazine. *Parque de los afectos. Jóvenes que cuentan*, 2(February), 124–137.

<https://doi.org/https://doi.org/10.30604/well.022.82000114>

Zafar, M., Sadeeqa, S., & Sumaira Latif, H. A. (2017). PATTERN AND PREVALANCE OF MENSTRUAL DISORDERS IN ADOLESCENTS. *International Journal of Pharmaceutical Sciences and Research*, 9(5). [http://files/108/\[No title found\].pdf](http://files/108/[No title found].pdf)

LAMPIRAN

Lampiran 1 *Informed consent*

LEMBAR PERSETUJUAN MENJADI RESPONDEN PENELITIAN

(INFORMED CONSENT)

Saya yang mengisi identitas di bawah ini, menyatakan bersedia menjadi responden atas penelitian yang dilakukan oleh **MS Fauziyah Hamzah**, mahasiswa Program Studi Fisioterapi Fakultas Keperawatan Universitas Hasanuddin Makassar dengan dosen pembimbing :

1. Andi Besse Ahsaniyah A. Hafid, S.Ft., Physio., M.Kes.
2. Meutiah Mutmainnah, S.Ft., Physio., M.Kes

Telah mendapat keterangan secara terinci dan jelas mengenai :

- a. Penelitian yang berjudul **“Analisis Faktor Risiko Kejadian Dismenorea pada Dewasa Muda di kota Makassar”**
- b. Penjelasan pengisian kuesioner
- c. Prosedur penelitian
- d. Kerahasiaan Informasi

Saya sebagai subyek penelitian mendapat kesempatan mengajukan pertanyaan mengenai segala sesuatu yang berhubungan dengan penelitian tersebut. Oleh karena itu saya bersedia secara sukarela untuk menjadi subyek penelitian dengan penuh kesadaran dan tanpa paksaan.

Demikian pernyataan ini saya buat dengan sebenarnya tanpa tekanan dari pihak manapun.

Peneliti dapat dihubungi di :
082346936995 (Fauziyah)

Lampiran 2 Kuesioner Dismenore

KUESIONER DISMENORE

Nama/inisial :

Usia saat ini :

Alamat Domisili :

Asal Universitas :

1. Berapa usia Anda saat pertama kali menstruasi/haid?
2. Kapan menstruasi/haid terakhir Anda? (tanggal, bulan, dan tahun)
3. Berapa lama Anda mengalami menstruasi/haid saat menstruasi/haid terakhir? (sesuai pertanyaan nomor 2)
 - a. <5 hari
 - b. 5 – 7 hari
 - c. >7 hari (Sebutkan)
4. Kapan nyeri perut bawah mulai dirasakan sewaktu menstruasi/haid terakhir?
 - a. Hari pertama menstruasi
 - b. Hari kedua menstruasi
 - c. Hari ketiga menstruasi
 - d. Tidak ada nyeri selama menstruasi/haid
 - e. Lainnya :
5. Apakah Anda merasakan nyeri seperti ini setiap menstruasi/haid?
 - a. Ya
 - b. Tidak
6. Sejak kapan Anda mengalami nyeri perut bawah ketika menstruasi/haid?
 - a. Sejak menstruasi pertama kali
 - b. Satu tahun terakhir
 - c. Tiga bulan terakhir
 - d. Tidak pernah merasakan nyeri menstruasi/haid
 - e. Lainnya :

7. Berapa rata-rata jarak menstruasi/haid selama **tiga bulan terakhir**?
(Terhitung hari pertama menstruasi sebelumnya sampai hari pertama menstruasi berikutnya. Misalnya 11 januari sampai 11 februari = 32 hari)
 - a. Setiap <21 hari
 - b. Setiap 21 – 35 hari
 - c. Setiap \geq 35 hari
8. Berapa tingkat nyeri menstruasi/haid yang Anda rasakan saat menstruasi terakhir jika diukur menggunakan angka 0-10?
 - a. 0 = Tidak ada nyeri
 - b. 1-3 = Hanya sedikit nyeri yang dirasakan.
 - c. 4-6 = Nyeri sedang, dapat menentukan lokasi spesifik nyeri, nyeri bisa berkurang dengan alih posisi (misalnya duduk atau baring) aktivitas lumayan terganggu.
 - d. 7-10 = Nyeri berat, tidak dapat menentukan lokasi spesifik nyeri, nyeri tidak berkurang dengan alih posisi (misalnya duduk atau baring), tidak dapat beraktivitas.
9. Adakah keluhan lain yang menyertai nyeri perut bawah maupun kram perut bawah? Jika ada, sebutkan! (Misalnya mual, muntah, sakit kepala, nyeri pinggang, dll)
10. Apakah ada anggota keluarga Anda (ibu kandung atau saudara kandung) yang mengalami nyeri menstruasi/haid seperti yang Anda rasakan?
 - a. Ya
 - b. Tidak

Lampiran 3 Hasil Uji Validitas dan Reliabilitas Kuesioner Dismenorea

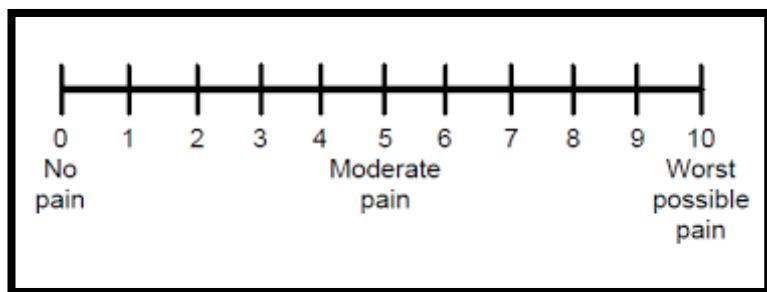
Spearman's rho			Significance
			5%
Usia_Menarche	Correlation Coefficient	,320	
	Sig. (2-tailed)	,004	
	N	55	
Lama_Menstruasi	Correlation Coefficient	,284	
	Sig. (2-tailed)	,003	
	N	55	
Nyeri_Perut_Bawah_Mulai_dirasakan	Correlation Coefficient	,289	
	Sig. (2-tailed)	,003	
	N	55	
Nyeri_Terjadi_Selama_Menstruasi	Correlation Coefficient	,379	
	Sig. (2-tailed)	,002	
	N	55	
Sejak_Kapan_Nyeri_Mulai_Dirasakan	Correlation Coefficient	,428	
	Sig. (2-tailed)	,001	
	N	55	
Siklus_Menstruasi	Correlation Coefficient	,366	
	Sig. (2-tailed)	,002	
	N	55	
Intensitas_Nyeri	Correlation Coefficient	,581	
	Sig. (2-tailed)	,001	
	N	55	
Keluhan_Lain	Correlation Coefficient	,297	
	Sig. (2-tailed)	,001	
	N	55	
Riwayat_Keluarga	Correlation Coefficient	,271	
	Sig. (2-tailed)	,001	
	N	55	

Cronbach's Alpha

Item-Total Statistics					
	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
Siklus_Menstruasi	35,77	19,432	,558	,149	,734
Intensitas_Nyeri	35,62	16,773	,691	,676	,726
Keluhan_Lain	36,85	19,015	,589	,258	,659
Riwayat_Keluarga	37,69	17,551	,429	,169	,692
Usia_Menarche	37,76	17,443	,481	,298	,886
Lama_Menstruasi	37,11	17,914	,473	,196	,728
Nyeri_Perut_Bawah_Mulai_dirasakan	36,78	18,359	,009	,349	,721
Nyeri_Terjadi_Selama_Menstruasi	35,87	19,558	,010	,439	,889
Sejak_Kapan_Nyeri_Mulai_Dirasakan	37,35	16,193	,034	,225	,752

Item-Total Statistics		Cronbach's Alpha if Item Deleted
Siklus_Menstruasi		,734
Intensitas_Nyeri		,726
Keluhan_Lain		,659
Riwayat_Keluarga		,692
Usia_Menarche		,886
Lama_Menstruasi		,728
Nyeri_Perut_Bawah_Mulai_dirasakan		,721
Nyeri_Terjadi_Selama_Menstruasi		,889
Sejak_Kapan_Nyeri_Mulai_Dirasakan		,752

Lampiran 4 Numeric Rating Scale



Lampiran 5 Surat Izin Penelitian



**PEMERINTAH PROVINSI SULAWESI SELATAN
DINAS PENANAMAN MODAL DAN PELAYANAN TERPADU SATU PINTU
BIDANG PENYELENGGARAAN PELAYANAN PERIZINAN**

Nomor : 13723/S.01/PTSP/2021
 Lampiran :
 Perihal : Izin Penelitian

Kepada Yth.
 Walikota Makassar
 di-
Tempat

Berdasarkan surat Dekan Fak. Keperawatan UNHAS Makassar Nomor : 2188//UN4.18.1/PT.01.04/2021 tanggal 19 April 2021 perihal tersebut diatas, mahasiswa/peneliti dibawah ini:

Nama	: MS FAUZIYAH HAMZAH
Nomor Pokok	: C041171004
Program Studi	: Fisioterapi
Pekerjaan/Lembaga	: Mahasiswa(S1)
Alamat	: Jl. P. Kemerdekaan Km. 10, Makassar

Bermaksud untuk melakukan penelitian di daerah/kantor saudara dalam rangka penyusunan Skripsi, dengan judul :

" ANALISIS FAKTOR RISIKO KEJADIAN DISMENOREA PADA DEWASA MUDA DI KOTA MAKASSAR "

Yang akan dilaksanakan dari : Tgl. 22 April s/d 22 Mei 2021

PELAYANAN TERPADU SATU PINTU

Sehubungan dengan hal tersebut diatas, pada prinsipnya kami **menyetujui** kegiatan dimaksud dengan ketentuan yang tertera di belakang surat izin penelitian.
 Dokumen ini ditandatangani secara elektronik dan Surat ini dapat dibuktikan keasliannya dengan menggunakan **barcode**,
 Demikian surat izin penelitian ini diberikan agar dipergunakan sebagaimana mestinya.

Diterbitkan di Makassar
 Pada tanggal : 22 April 2021

**A.n. GUBERNUR SULAWESI SELATAN
KEPALA DINAS PENANAMAN MODAL DAN PELAYANAN TERPADU
SATU PINTU PROVINSI SULAWESI SELATAN
Selaku Administrator Pelayanan Perizinan Terpadu**

Dr. JAYADI NAS, S.Sos., M.Si
 Pangkat : Pembina Tk.I
 Nip : 19710501 199803 1 004

Tembusan Yth
 1. Dekan Fak. Keperawatan UNHAS Makassar di Makassar;
 2. Pertinggal.

SIMAP PTSP 22-04-2021



Jl. Bougenville No.5 Telp. (0411) 441077 Fax. (0411) 448936
 Website : <http://simap.sulseprov.go.id> Email : ptsp@sulseprov.go.id
 Makassar 90231



Lampiran 6 Surat Keterangan Lolos Kaji Etik



KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN

UNIVERSITAS HASANUDDIN

FAKULTAS KESEHATAN MASYARAKAT

KOMITE ETIK PENELITIAN KESEHATAN

Sekretariat :

Jl. Perintis Kemerdekaan Km. 10 Makassar 90245, Telp. (0411) 585658, 516-005,
Fax (0411) 586013E-mail : kepkfkmuh@gmail.com, website : www.fkm.unhas.ac.id

REKOMENDASI PERSETUJUAN ETIK

Nomor : 3484/UN4.14.1/TP.01.02/2021

Tanggal : 17 Mei 2021

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

No.Protokol	7521091096	No. Sponsor Protokol	
Peneliti Utama	MS Fauziyah Hamzah	Sponsor	Pribadi
Judul Peneliti	Analisis Faktor Risiko Kejadian Dismenorhea pada Dewasa Muda di Kota Makassar		
No.Versi Protokol	1	Tanggal Versi	7 Mei 2021
No.Versi PSP	1	Tanggal Versi	7 Mei 2021
Tempat Penelitian	Kota Makassar		
Judul Review	<input checked="" type="checkbox"/> Exempted <input type="checkbox"/> Expedited <input type="checkbox"/> Fullboard	Masa Berlaku 17 Mei 2021 sampai 17 Mei 2022	Frekuensi review lanjutan
Ketua Komisi Etik Penelitian	Nama : Prof.dr. Veni Hadju, M.Sc, Ph.D	Tanda tangan 	Tanggal 17 Mei 2021
Sekretaris komisi Etik Penelitian	Nama : Dr. Wahiduddin, SKM., M.Kes	Tanda tangan 	Tanggal 17 Mei 2021

Kewajiban Peneliti Utama :

1. Menyerahkan Amandemen Protokol untuk persetujuan sebelum di implementasikan
2. 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
3. Menyerahkan Laporan Kemajuan (progress report) setiap 6 bulan untuk penelitian resiko tinggi dan setiap scitahun untuk penelitian resiko rendah
4. Menyerahkan laporan akhir setelah Penelitian berakhir
5. Melaporkan penyimpangan dari protocol yang disetujui (protocol deviation/violation)
6. Mematuhi semua peraturan yang ditentukan

Lampiran 7 Surat Telah Menyelesaikan Penelitian

SURAT PERNYATAAN TELAH MELAKUKAN PENELITIAN

Yang bertanda tangan di bawah ini:

Nama : MS Fauziyah Hamzah

NIM : C041171004

Program Studi : Fisioterapi

Fakultas : Keperawatan

Judul Penelitian : Analisis Faktor Risiko Dismenoreia pada Dewasa Muda di
Kota Makassar

Dengan ini menyatakan dengan sesungguhnya bahwa saya telah melakukan penelitian kepada wanita dewasa muda di kota Makassar menggunakan media *google form* terhitung sejak tanggal 15 April hingga 30 April 2021 untuk memperoleh data penelitian dalam rangka penyusunan skripsi.

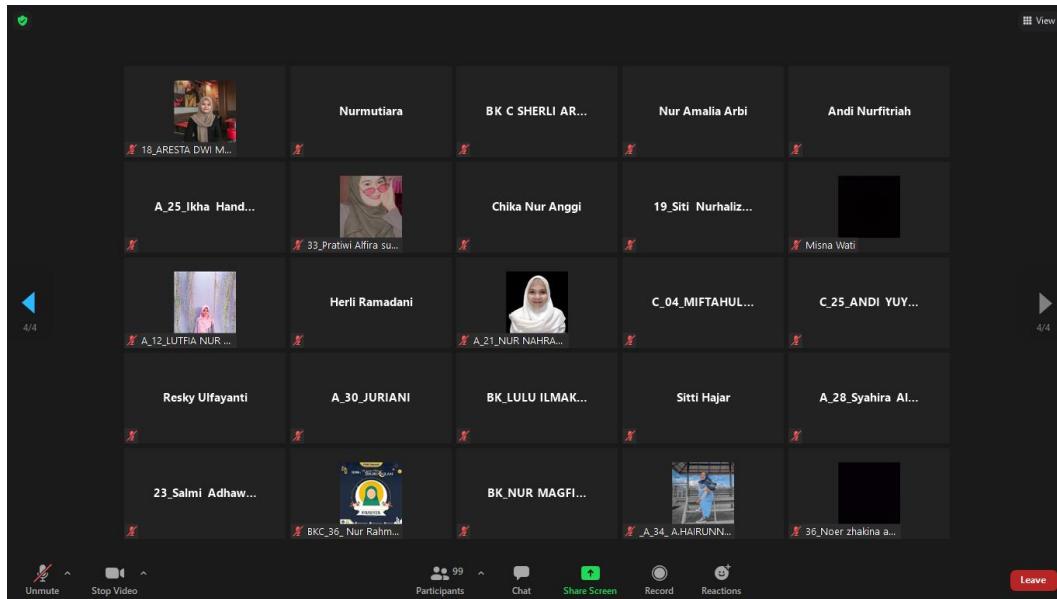
Demikian surat ini saya buat, apabila dikemudian hari dapat dibuktikan bahwa surat ini tidak benar maka saya bersedia menerima sanksi sesuai ketentuan yang berlaku.

Makassar, 1 Mei 2021



(MS Fauziyah Hamzah)

Lampiran 8 Dokumentasi Penelitian



Lampiran 9 Hasil Uji Normalitas Data

One-Sample Kolmogorov-Smirnov Test

	Unstandardized Residual	
N		235
Normal Parameters ^{a,b}	Mean	,0000000
	Std. Deviation	,32545164
Most Extreme Differences	Absolute	,387
	Positive	,387
	Negative	-,250
Test Statistic		,387
Asymp. Sig. (2-tailed)		,000 ^c