DAFTAR PUSTAKA

Craig, JP, et al. (2017) *TFOS DEWS II Report Executive Summary.* The Ocular Surface. http://dx.doi.org/10.1016/j.jtos.2017.08.003.

Supiyaphun, C., Jongkhajornpong, P., Rattanasiri, S., & Lekhanont, K. (2021). Prevalence and risk factors of dry eye disease among University Students in Bangkok, Thailand. *PloS one*, *16*(10), e0258217. https://doi.org/10.1371/journal.pone.0258217

Uchino, M. (2018) What We Know About the Epidemiology of Dry Eye Disease in Japan. Arvo Journals. Investigative Ophthalmology & Visual Science November 2018, Vol.59, DES1-DES6. doi:https://doi.org/10.1167/iovs.17-23491

Riskesdas, 2018, Laporan Nasional 2018, Badan Penelitian dan Pengembangan Kesehatan Departemen Kesehatan

Wang, Z., Wu, Y., Jia, Z., Gao, Q., & Gu, Z. (2022). Research on Health and Thermal Comfort of Unit-Type Student Apartments in the Western China Science and Technology Innovation Harbor. *Frontiers in public health*, *10*, 850107. https://doi.org/10.3389/fpubh.2022.850107

Hu, J. W., Zhu, X. P., Pan, S. Y., Yang, H., & Xiao, X. H. (2021). Prevalence and risk factors of dry eye disease in young and middle-aged office employee: a Xi'an Study. *International journal of ophthalmology*, *14*(4), 567–573. https://doi.org/10.18240/ijo.2021.04.14

Asiedu, K., Kyei, S., Boampong, F., & Ocansey, S. (2017). Symptomatic Dry Eye and Its Associated Factors: A Study of University Undergraduate Students in Ghana. *Eye & contact lens*, *43*(4), 262–266. https://doi.org/10.1097/ICL.0000000000000256

Chlasta-Twardzik, E., Górecka-Nitoń, A., Nowińska, A., & Wylęgała, E. (2021). The Influence of Work Environment Factors on the OcularSurface in a One-Year Follow-Up Prospective Clinical Study. *Diagnostics (Basel, Switzerland)*, *11*(3), 392. https://doi.org/10.3390/diagnostics11030392

Larasati, A. Himayani, R (2020) Hubungan Penggunaan Air Conditioner (AC) di Ruang Kelas Terhadap Kejadian Sindrom Mata Kering Pada Pelajar SMA Negeri Bandar Lampung. Bagian Ilmu Kesehatan Mata, Fakultas Kedokteran, Universitas Lampung

Syahra, J (2020) Hubungan Penggunaan Air Conditioner (AC) Terhadap Kejadian Sindroma Mata Kering Pada Mahasiswa Fakultas Kedokteran dan Ilmu Kesehatan Universitas Muhammadiyah Makassar

Rehman I, Hazhirkarzar B, Patel BC. Anatomy, Head and Neck, Eye. [Updated 2022 Jul 25]. In: StatPearls [Internet]. Treasure Island

(FL): StatPearls Publishing; 2022 Jan-. Available from: https://www.ncbi.nlm.nih.gov/books/NBK482428/

Machiele R, Lopez MJ, Czyz CN. Anatomy, Head and Neck, Eye Lacrimal Gland. [Updated 2022 Jul 25]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2022 Jan-. Available from: https://www.ncbi.nlm.nih.gov/books/NBK532914/

Ducker L, Rivera RY. Anatomy, Head and Neck, Eye Lacrimal Duct. [Updated 2022 Aug 8]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2022 Jan-. Available from: https://www.ncbi.nlm.nih.gov/books/NBK531487/

Cochran ML, Aslam S, Czyz CN. Anatomy, Head and Neck, Eye Nasolacrimal. [Updated 2022 Jul 25]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2022 Jan-. Available from: https://www.ncbi.nlm.nih.gov/books/NBK482213/

Chang AY, Purt B. Biochemistry, Tear Film. [Updated 2022 Jun 11]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2022 Jan-. Available from: https://www.ncbi.nlm.nih.gov/books/NBK572136/

Craig JP, et al. TFOS DEWS II Report Executive Summary, The Ocular Surface (2017), http://dx.doi.org/10.1016/ j.jtos.2017.08.003

James P. Winebrake, BS, Owen J. et al (2017) The TFOS Dry Eye Workshop II: Key Updates,San Fransisco: American Academy of Ophthalmology

Stephen C. Pflungfelder, MD. 2017. The Pathophysiology of Dry Eyes Disease: What We Know and Future Directions for Research. San Fransisco: American Academy of Ophthalmology. Available from: https://doi.org/10.1016/j.ophtha.2017.07.010

Messmer E. M. (2015). The pathophysiology, diagnosis, and treatment of dry eye disease. *Deutsches Arzteblatt international*, *112*(5), 71–82. https://doi.org/10.3238/arztebl.2015.0071

Hashmani, N., Munaf, U., Saleem, A., Javed, S. O., & Hashmani, S. (2021). Comparing SPEED and OSDI Questionnaires in a Non-Clinical Sample. *Clinical ophthalmology (Auckland, N.Z.)*, *15*, 4169–4173. https://doi.org/10.2147/OPTH.S332565

Okumura, Y., Inomata, T., Iwata, N., Sung, J., Fujimoto, K., Fujio, K., Midorikawa-Inomata, A., Miura, M., Akasaki, Y., & Murakami, A. (2020). A Review of Dry Eye Questionnaires: Measuring Patient-Reported Outcomes and Health-Related Quality of Life. *Diagnostics (Basel, Switzerland)*, *10*(8), 559. https://doi.org/10.3390/diagnostics10080559

James S. Wolffsohn, FCOptom PhD Chair, et al. (2017) TFOS DEWS II Diagnostic Methodology report (2017) http://dx.doi.org/10.1016/j.jtos.2017.05.001 15

Nelson, JD. Craig JP (2019) TFOS DEWS II Patient Summary

Pavanello, F., De Cian, E., Davide, M., Mistry, M., Cruz, T., Bezerra, P., Jagu, D., Renner, S., Schaeffer, R., & Lucena, A. F. P. (2021). Air-conditioning and the adaptation cooling deficit in emerging economies. *Nature communications*, *12*(1), 6460. https://doi.org/10.1038/s41467-021-26592-2

Saran, S., Gurjar, M., Baronia, A., Sivapurapu, V., Ghosh, P. S., Raju, G. M., & Maurya, I. (2020). Heating, ventilation and air conditioning (HVAC) in intensive care unit. *Critical care (London, England)*, *24*(1), 194. https://doi.org/10.1186/s13054-020-02907-5

Gronlund, C. J., & Berrocal, V. J. (2020). Modeling and comparing central and room air conditioning ownership and cold-season in-home thermal comfort using the American Housing Survey. *Journal of exposure science & environmental epidemiology*, *30*(5), 814–823. https://doi.org/10.1038/s41370-020-0220-8

Supiyaphun, C., Jongkhajornpong, P., Rattanasiri, S., & Lekhanont, K. (2021). Prevalence and risk factors of dry eye disease among University Students in Bangkok, Thailand. *PloS one*, *16*(10), e0258217. https://doi.org/10.1371/journal.pone.0258217

Okumura Y, Inomata T, Iwata N, Sung J, Fujimoto K, Fujio K, et al. A Review of Dry Eye Questionnaires: Measuring Patient-Reported Outcomes and Health-Related Quality of Life. Diagnostics 2020;559. https://doi.org/10.3390/diagnostics10080559.

Peraturan Menteri Kesehatan Republik Indonesia (Permenkes) nomor 2 tahun 2023

Wolkoff, P., Azuma, K., & Carrer, P. (2021). Health, work performance, and risk of infection in office-like environments: The role of indoor temperature, air humidity, and ventilation. International journal of hygiene and environmental health, 233, 113709. https://doi.org/10.1016/j.ijheh.2021.113709

Wolkoff P. Indoor air humidity, air quality, and health – An overview. International Journal of Hygiene and Environmental Health 2018;376–390. https://doi.org/10.1016/j.ijheh.2018.01.015.

Abusharha, A.A.; Pearce, E.I. The effect of low humidity on the human tear film. Cornea 2013, 32, 429–434.

Abusharha, A.A.; Pearce, E.I.; Fagehi, R. Effect of ambient temperature on the human tear film. Eye Contact Lens 2016, 42, 308–312.

Almeida RMSF, de Freitas VP, Delgado JMPQ. School buildings rehabilitation-indoor environmental quality and enclosure optimization. In: Almeida RMSF, de Freitas VP, Delgado JMPQ ,

editors. School Buildings Rehabilitation. Switzerland AG: Springer Nature; 2015. pp. 5-17

Djongyang N, Tchinda R, Njomo D. Thermal comfort: A review paper. Renewable and Sustainable Energy Reviews. 2010;14(9):2626-2640

International Organization for Standardization, (2020). Test Method for Measuring Perceived Indoor Air Quality for Use in Testing the Performance of Gas Phase Air Cleaners. ISO 16000–44. International Organization for Standardization.

Ruano Espinoza D, Nazir N (2022) Indoor relative humidity levels and perceived symptoms in elderly homes in Sweden during winter season. Master thesis in Energy-efficient and Environmental Buildings. Faculty of Engineering, Lund University.

Hwang, S.H., Choi, Y.H., Paik, H.J., Wee, W.R., Kim, M.K. & Kim, D.H. (2016). Potential Importance of Ozone in the Association Between Outdoor Air Pollution and Dry Eye Disease in South Korea. JAMA Ophthalmology, 134(5), pp. 503-510. doi:10.1001/jamaophthalmol.2016.0139.

Zhong, J.-Y., Lee, Y.-C., Hsieh, C.-J., Tseng, C.-C., & Yiin, L.-M. (2018). Association between Dry Eye Disease, Air Pollution and Weather Changes in Taiwan. International Journal of Environmental Research and Public Health , 15(10), 2269. https://doi.org/10.3390/ijerph15102269

Ho, W.-T., Chiu, C.-Y., & Chang, S.-W. (2022). Low ambient temperature correlates with the severity of dry eye symptoms. Taiwan Journal of Ophthalmology , 12(2), 191–197. Published online 2021 Aug 28. doi: 10.4103/tjo.tjo_25_21. PMCID: PMC9262028. PMID: 35813789.

Song, M.-S., Lee, Y., Paik, H.J., & Kim, D.H. (2023). A Comprehensive Analysis of the Influence of Temperature and Humidity on Dry Eye Disease. Korean Journal of Ophthalmology , Published online: October 25, 2023. DOI: https://doi.org/10.3341/kjo.2023.0077

Michaud, L. (2015). Screening, diagnosis and management of dry eye disease: Practical guidelines for Canadian optometrists. Research. DOI: 10.13140/RG.2.1.2788.4963.

Revi Eka Putri Saripudin, 1715061002 (2022) Analisis Akurasi Instrumen Untuk Peningkatan Performa Sistem Monitoring Kualitas Udara Lingkungan Pada Siger (Smart, Integrated, Green, And Efficient Room). Fakultas Teknik, Universitas Lampung

Millatina, A.N. & Syafii, N.I., 2021. Thermal Comfort Condition in Affandi Museum Yogyakarta. *BESt: Journal of Built Environment Studies*, 2(1), pp.20–27. Available at: https://journal.ugm.ac.id/v3/BEST

Choi, YH., Song, MS., Lee, Y. *et al.* 2024. *Adverse* effects of meteorological factors and air pollutants on dry eye disease: a hospital-based retrospective cohort study. *Sci Rep* 14, 17776. https://doi.org/10.1038/s41598-024-6807

Harp, M.D., 2024. Study looks at the correlation of humidity, temperature, and air pollutants on dry eye disease patients. *News*, 4 August.

Britten-Jones, A. C., Wang, M. T. M., Samuels, I., Jennings, C., Stapleton, F., & Craig, J. P. (2024). Epidemiology and Risk Factors of Dry Eye Disease: Considerations for Clinical Management. *Medicina*, *60*(9), 1458. https://doi.org/10.3390/medicina60091458

Farrand, K. F., Fridman, M., Stillman, I. Ö., & Schaumberg, D. A. (2017). Prevalence of Diagnosed Dry Eye Disease in the United States Among Adults Aged 18 Years and Older. *American journal of ophthalmology*, *182*, 90–98. https://doi.org/10.1016/j.ajo.2017.06.033

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Eidet, J. R., Chen, X., Ræder, S., Badian, R. A., & Utheim, T. P. (2022). Seasonal variations in presenting symptoms and signs of dry eye disease in Norway. *Scientific Reports, 12*, Article 21046. https://doi.org/10.1038/s41598-022-25767-9

Martín, R. (2023). Symptoms of dry eye related to the relative humidity of living places. *Contact Lens and Anterior Eye, 46*(4), Article 101865. https://doi.org/10.1016/j.clae.2023.101865

Dryer, C. (2023). Relative humidity affects dry eye disease prevalence. *Optometry Advisor*. Retrieved from https://www.optometryadvisor.com

Patel, S., Mittal, R., Kumar, N., & Galor, A. (2023). The environment and dry eye-manifestations, mechanisms, and more. *Frontiers in toxicology*, *5*, 1173683. https://doi.org/10.3389/ftox.2023.1173683

Huang, A., Janecki, J., Galor, A., Rock, S., Menendez, D., Hackam, A. S., Jeng, B. H., & Kumar, N. (2020). Association of the indoor

environment with dry eye metrics. *JAMA Ophthalmology, 138*(8), 867–874. https://doi.org/10.1001/jamaophthalmol.2020.2237

LAMPIRAN

Lampiran I. Daftar Riwayat Hidup

CURRICULUM VITAE

A. Data Pribadi

1. Nama : Vadia Devanita Syaharani
2. Tempat, tgl. Lahir : Biak, 13 Desember 2002
3. Alamat : BTP Tamalanrea blok A no. 302
4. Kewarganegaraan : Warga Negara Indonesia

B. Riwayat Pendidikan

1. Tamat SLTA Tahun 2020 di SMAN 1 Biak Kota

Lampiran II. Lampiran Instrumen Kuesioner

Karakteristik Responden

Nama :
Usia :
Jenis Kelamin : Laki-laki/Perempuan
Kelas : A/B/C

Pertanyaan Eksklusi*

5. Apakah Anda sedang mengalami penyakit atau peradangan mata?
   Ya Tidak
6. Apakah Anda secara aktif menggunakan obat tetes/salep mata?
   Ya Tidak
7. Apakah Anda memakai lensa kontak dalam 1 minggu terakhir?
   Ya Tidak
8. Apakah Anda memiliki riwayat operasi mata dalam 3 bulan terakhir?
   Ya Tidak

***Ket: Jika terdapat jawaban 'Ya' pada pertanyaan eksklusi, maka responden dikeluarkan dari penelitian**

Kuesioner *Ocular Surface Disease Index* (OSDI)

Apakah anda pernah mengalami hal-hal di bawah ini selama seminggu terakhir?						
NO.	ASPEK	HASIL				
		SS	S	KK	J	TSS

1.	Apakah mata sensitif terhadap cahaya?					
2.	Apakah mata terasa seperti berpasir?					
3.	Apakah mata terasa nyeri atau sakit?					
4.	Apakah pandangan terasa kabur?					
5.	Apakah pandangan terasa menurun?					
Jumlah Skor						

Apakah masalah dengan mata anda membatasi anda dalam melakukan hal-hal berikut selama seminggu terakhir?						
NO.	ASPEK	HASIL				
		SS	S	KK	J	TSS
1.	Membaca?					
2.	Berkendara pada malam hari?					
3.	Bekerja dengan komputer atau mesin ATM?					
4.	Menonton TV?					
Jumlah Skor						

Apakah mata anda merasa tidak nyaman dalam situasi berikut selama seminggu terakhir?

NO.	ASPEK	HASIL				
		SS	S	KK	J	TSS
1.	Kondisi berangin?					
2.	Tempat atau area dengan kelembaban yang rendah (sangat kering)?					
3.	Tempat ber-AC?					
Jumlah Skor						
Jumlah Total Skor (diisi oleh peneliti)						
Total Pertanyaan yang Dijawab (diisi oleh peneliti)						

Keterangan:

SS : Sangat Sering

S : Sering

KK : Kadang-Kadang

J : Jarang

TSS : Tidak Sama Sekali