

BAB 7

KESIMPULAN DAN SARAN

7.1 Kesimpulan

Berdasarkan hasil penelitian Asosiasi Lama Paparan Cahaya dengan *Computer Vision Syndrome* pada pekerja yang menggunakan komputer, didapatkan

- Karakteristik dasar lama paparan cahaya didapatkan lama paparan lebih dari 4 jam lebih banyak dibandingkan dengan orang kurang dari sama dengan 4 jam
- Terdapat asosiasi antara lama paparan cahaya dengan CVS

7.2. Saran

Hasil penelitian ini dapat menjadi sumber referensi bagi peneliti selanjutnya mengenai CVS dan dengan adanya keterbatasan pada penelitian diharapkan peneliti selanjutnya dapat memperhitungkan faktor perancu.

DAFTAR PUSTAKA

1. Acharya A, Panth M. The Unprecedented Role of Computer in Improvement and Transformation of Public Health: An Emerging Priority. Indian J Community Med [Internet]. 2015(disitasi 2019 April 20);40:8. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4317987/>
2. Indonesia kementrian komunika dan informatika republik. Infografis Indikator TIK [Internet]. Jakarta: Pusat penelitian dan pengembangan SDPPPI, Badan Penelitian dan pengembangan Sumber Daya Manusia, Kementerian Komunikasi dan Informatika; 2016. p. 60. Available from: <http://www.kominfo.go.id>
3. Krishnan S, Zakaria A, Khalil F, Jofree S. The Effect of Electronic Device on Human Health. 2017(disitasi 2019 April 26);7:40–3. Available from: <http://article.sapub.org/10.5923.j.mm.20170701.05.html>
4. Blvd L. American Optometric Association The Effects of Computer Use on Eye Health and Vision. 1997(disitasi 2019 april 1);(314). Available from: <https://www.aoa.org/Documents/optometrists/effects-of-computer-use.pdf>
5. Permana MA, Koesyanto H, Mardiana. Faktor Yang Berhubungan Dengan Keluhan Computer Vision Syndrome (CVS) Pada Pekerja Rental Komputer Di Wilayah Unnes. J Public Heal Unnes [Internet]. 2015(disitasi 2019 april 18);2(3):48–57. Available from: [//journal.unnes.ac.id/sju/index.php/ujph/article/view/6372](http://journal.unnes.ac.id/sju/index.php/ujph/article/view/6372)
6. Lumolos MP, Polii H, Marunduh SR. Pengaruh Lama Paparan dan Masa Kerja Terhadap Visus Pada Pekerja Rental Komputer di Kecamatan Sario dan Malalayang Kota Manado. e-Biomedik (eBm) [Internet]. 2016(disitasi 2019 april 20);4(2):1–5. Available from: <https://media.neliti.com/media/publications/66610-ID-pengaruh-lama-paparan-dan-masa-kerja-ter.pdf>
7. Shrivastava S, Bobhate P. Computer Related Health Problems Among Software Professionals in Mumbai: A Cross-Sectional Study. Int J Heal Allied Sci [Internet]. 2014(24 april 2019);1(2):74. Available from: <http://www.ijhas.in/article.asp?issn=2278->

- 344X;year=2012;volume=1;issue=2;spage=74;epage=78;aulast=Shrivastava
8. Stroh R Von. Computer Vision Syndrome. Occup Heal Saf [Internet]. 1993;9(May) (disitasi 2019 april 19):1–8. Available from: <http://scholar.google.com/scholar?hl=en&btnG=Search&q=intitle:Computer+Vision+Syndrome#0>
9. Agarwal S, Goel D, Sharma A. Evaluation of the Factors which Contribute to the Ocular Complaints in Computer Users. 2013(disitasi 2019 april 28);7(2):331–5. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/23543722>
10. Ellahi A, Khalil M, Akram F. Computer Users at Risk: Health Disorders Associated with Prolonged Computer Use. J Bus Manag Econ [Internet]. 2011(disitasi 2019 april 28);2(4):171–82. Available from: http://www.e3journals.org/cms/articles/1330776576_Abida et al.pdf
11. Reddy SC, Low C, Lim Y, Low L, Mardina F NM. Computer vision syndrome: a study of knowledge and practices in university students. 2013(disitasi 2019 april 1);5:161–8. Available from: availablefrom:<https://www.ncbi.nlm.nih.gov/pubmed/24172549>
12. Tasneem Borhany, Erum shahid, Washim Ahmed Siddique HA. Musculoskeletal Problems in Frequent Computer and Internet users. 2018(disitasi 21 april 2019);(1). Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6060916/>
13. Logaraj M, Madhupriya V, Sk H. Computer Vision Syndrome and Associated Factors Among Medical and Engineering Students in Chennai. 2014(disitasi 2019 april 13);4:179–85. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/24761234>
14. Balci M, Namuslu M, Devrim E, Durak İ. Effects of computer monitor-emitted radiation on oxidant / antioxidant balance in cornea and lens from rats. 2009;(disitasi 2019 april 10):2521–5. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/19960068%0Ahttp://www.ncbi.nlm.nih.gov/articlerender.fcgi?artid=PMC2787304>
15. Akinbinu TR, Mashalla YJ. Medical Practice and Review Impact of

- computer technology on health : Computer Vision Syndrome (CVS). 2014(disitasi 2019 april 1);5:20–30. Available from: <http://www.academicjournals.org/MPR>
16. Bali J, Navin N, Thakur BR. Computer Vision Syndrome: A Study of The Knowledge, Attitudes and Practices in Indian Ophthalmologists. 2007;August (disitasi 2019 april 28):289–94. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/17595478>
 17. Chiemeke SC, Akhahowa AE, Ajayi OB. Evaluation of Vision-Related Problems Amongst Computer Users: A Case Study of University of Benin, Nigeria. World Congr Eng 2007, Vols 1 2 [Internet]. 2007(disitasi 2019 april 17);I:217–21. Available from: <https://pdfs.semanticscholar.org/cb4c/6d0164fc4eed1248c96f718aedbfa175776c.pdf>
 18. Mmed KYL, Redd SC. Understanding And Preventing Computer Vision Syndrome. 2008(disitasi 2019 april 19);3:128–30. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4170366/>
 19. Anshel J. Visual Ergonomics Handbook [Internet]. Jeffrey Anshel, editor. New York: CRC press, Taylor & Francis group; 2005 (disitasi 2019 april 19). 214 p. Available from: PDFwww.ssu.ac.ir
 20. Urmi Ravindra Salve. Vision-related Problems Among The Workers Engaged in Jewellery Manufacturing. 2015(disitasi 2019 april 20);(1). Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4446936/>
 21. Rahman Z, Sanip S. Computer User: Demographic and Computer Related Factors That Predispose User to Get Computer Vision Syndrome. ... J business, Humanit Technol [Internet]. 2011(disitasi 2019 April 24);1(2):84–91. Available from: http://www.ijbhtnet.com/journals/Vol_1_No_2_September_2011/11.pdf
 22. Ackerman R, Krall ODJ, Thompson ODV, Nelson C, Colvard DM. A New Treatment for Computer Vision Syndrome. 2016;(disitasi 2019 april 28). Available from: http://www.neurolenses.com/wpcontent/uploads/2018/08/CVS_Study_Data_Summary_Paper_FINAL_8_15_18.pdf

23. Torrey J. Understanding Computer Vision Syndrome. 2003;(disitasi 2019 November 3):45–51. Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1002/ert.10073>
24. Thomée S. ICT Use and Mental Health in Young Adults Effects of Computer and Mobile Phone Use on Stress, Sleep Disturbances, and Symptoms of Depression. 2012;12(disitasi 2019 april 28):176. Available from: https://gupea.ub.gu.se/bitstream/2077/28245/1/gupea_2077_28245_1.pdf
25. Ghassemi-Broumand M, Ayatollahi M. Evaluation of The Frequency of Complications of Working With Computers in a Group of Young Adult Computer Users. Pakistan J Med Sci [Internet]. 2008(disitasi 2019 april 28);24(5):702–6. Available from: <https://www.pjms.com.pk/issues/octdec108/article/article12.html>
26. Arif KM, Alam MJ. Computer Vision Syndrome. Faridpur Med [Internet]. 2015(disitasi 2019 april 28);10(1):33–5. Available from: <https://pdfs.semanticscholar.org/de2d/4b3ab30585597b40ede0199a218e829b2986.pdf>
27. Rosenfield M. Computer vision syndrome: A review of ocular causes and potential treatments. Ophthalmic Physiol Opt [Internet]. 2011(disitasi 2019 april 17);31:502–15. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/21480937>
28. Jonge DV, Rompas S, Regar MJ. Hubungan Lama Penggunaan Komputer Dengan Kejadian Computer Vision Syndrome Pada Siswa Jurusan Tkj Di Smk I Tahuna. J Keperawatan [Internet]. 2018(disitasi 2019 April 20);6:1–7. Available from: <https://ejournal.unsrat.ac.id/index.php/jkp/article/view/18771>
29. Ranasinghe P, Wathurapatha WS, Perera YS, Lamabadusuriya DA, Kulatunga S, Jayawardana N. Computer vision syndrome among computer office workers in a developing country : an evaluation of prevalence and risk factors. BMC Res Notes [Internet]. 2016;(disitasi 2019 april 23):1–9. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4784392/>
30. Ryan BC, Lewis JM. Computer and Internet Use in the United States : American Community Survey Reports. 2017(disitasi 2019 oktober 30);1.

- Available from: <https://www.census.gov/library/publications/2018/acs/acs-39.html>
31. Czaja SJ, Charness N, Fisk AD, Hertzog C, Rogers WA, Sharit J. Factors Predicting the Use of Technology : Findings From the Center for Research and Education on Aging and Technology Enhancement (CREATE). 2006 (disitasi 2019 oktober 20);21(2):333–52. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1524856/>
 32. Nurmaya Rachmawati. Hubungan Intensitas dan Lama Paparan Cahaya Layar Monitor dengan Kelurahan X. 2011(disitasi 2019 november 3);1. Available from: <https://eprints.uns.ac.id/8613/>
 33. Dessie A, Adane F, Nega A, Wami SD, Chercos DH. Computer Vision Syndrome and Associated Factors among Computer Users in Debre Tabor Town , Northwest Ethiopia. 2018(disitasi 2019 november 3);422. Available from: <https://www.hindawi.com/journals/jeph/2018/4107590/>
 34. Shigeto Shimmura et all. Result of a Population-Based Qestionnaire on the Symptoms and Lifestyles Associated with Dry Eye. 1999(disitasi 2019 Oktober 20);4:408–11. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/10422851>
 35. Nichols JJ, Ziegler C, Mitchell GL, Nichols KK. Self-Reported Dry Eye Disease across Refractive Modalities. 2005(disitasi 2019 Oktober 28);46:6–9. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/15914603>
 36. Fatima J, Jacob AM. University of Delhi A Study to assess Computer Vision Syndrome among Students in a Selected University of Delhi. 2018(disitasi 2019 November 2);3:1. Available from: https://www.researchgate.net/publication/329239834_A_Study_to_assess_Computer_Vision_Syndrome_among_Students_in_a_Selected_University_of_Delhi
 37. Guillou M, Maïssa C. Contact Lens & Anterior Eye Tear film evaporation — Effect of age and gender. 2010(disitasi 2019 november 24);33:171–5. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/20382067>