



## DAFTAR PUSTAKA

- AgusGindo, S., Budi Hari, H. and TAN, P.T.L.R.B., 2007. PENGUKURAN PARTIKEL UDARA AMBIEN (TSP, PMIO, PM2, s) DI SEKITAR CALON LOKASI PLTN SEMENANJUNG LEMAHABANG.
- Atlas, L.M. and Nagao, H., 1960. *Armour Research Foundation of Illinois Institute of Tech.* WADC-TR-59-300, Part II.
- Akalin, M., Usta, I., Kocak, D. and Ozen, M.S., 2010. Investigation of the filtration properties of medical masks. In *Medical and Healthcare Textiles* (pp. 93-97). Woodhead Publishing.
- Arifin, Zainal, and Dan Sukoco. 2009. Pengendalian Polusi Kendaraan. *Alfabeta, Bandung*.
- Boubel, R.W., Vallero, D., Fox, D.L., Turner, B. and Stern, A.C., 2013. *Fundamentals of air pollution*. Elsevier.
- Brown, R.C., 1993. Air filtrationan integrated approach to the theory and applications of fibrous filters.
- Bruce R.M., Donald F.Y. 2008. Mekanika Fluida. Edisi Keempat.
- Budiyono, A., 2010. Pencemaran udara: dampak pencemaran udara pada lingkungan. *Berita Dirgantara*, 2(1).
- Cohen, H.J. and Birkner, J.S., 2012. Respiratory protection. *Clinics in chest medicine*, 33(4), pp.783-793.
- D.B.Ajgaonkar., 1998. Knitting Technology. Universal Publishing Corp, Bombay
- Dewi, F., 2016. *Studi tentang pengaruh paparan asap rokok dengan biofilter berbahan Cengkeh (Syzigium aromaticum) dan daun kelor (Moringa oleifera L.) terhadap kadar MDA (Malondialdehyde) dan kualitas spermatozoa Mencit (Mus musculus)* (Doctoral dissertation, Universitas Islam Negeri Maulana Malik Ibrahim).
- Djatmiko, R.D., 2016. *Keselamatan dan kesehatan kerja*. Deepublish.
- Egondi, T., Kyobutungi, C., Ng, N., Muindi, K., Oti, S., Vijver, S.V.D., Ettarh, R. and Rocklöv, J., 2013. Community perceptions of air pollution and related health risks in Nairobi slums. *International journal of environmental research and public health*, 10(10), pp.4851-4868.
- Feynman, R., Robert B. Leighton, and M. Sands. 1964. The brownian movement. *The Feynman lectures of physics* 1 (1964): 41-1.
- Fithrazela, H., 2017. *RANCANG BANGUN IONIZER MENGGUNAKAN TEGANGAN*



Gilmore, E.A., Apt, J., Walawalkar, R., Adams, P.J. and Lave, L.B., 2010. The air quality and human health effects of integrating utility-scale batteries into the New York State electricity grid. *Journal of Power Sources*, 195(8), pp.2405-2413.

Greenstone, Michael, and Claire Fan. Annual Update.2020 (Diakses pada Juni 2021)

Hall, J.V., Winer, A.M., Kleinman, M.T., Lurmann, F.W., Brajer, V. and Colome, S.D., 1992. Valuing the health benefits of clean air. *Science*, 255(5046), pp.812-817.

Hinds, W.C., 1999. *Aerosol technology: properties, behavior, and measurement of airborne particles*. John Wiley & Sons.

<https://chbp.fk.ugm.ac.id/2020/09/14/mengenal-jenis-jenis-masker/> (Diakses April 2021)

<https://darmasakti.com/alat-ukur/particle-counter-alat-ukur-partikel-udara> (Diakses 23:23 1 Juni 2021)

Huang, S.H., Chen, C.W., Kuo, Y.M., Lai, C.Y., McKay, R. and Chen, C.C., 2013. Factors affecting filter penetration and quality factor of particulate respirators. *Aerosol and Air Quality Research*, 13(1), pp.162-171.

Indonesia, P. R. (1999). Peraturan Pemerintah No. 41 Tahun 1999 Tentang: Pengendalian Pencemaran Udara. no, 41, 1-34.

Jannah, R., 2021. *Analisis Efektivitas Masker terhadap Parameter Pencemar Udara Hasil Industri* (Doctoral dissertation, IPB University).

Junker, M.H., Danuser, B., Monn, C. and Koller, T., 2001. Acute sensory responses of nonsmokers at very low environmental tobacco smoke concentrations in controlled laboratory settings. *Environmental Health Perspectives*, 109(10), pp.1045-1052.

Kemenkes RI 2020 <https://www.kemkes.go.id/folder/view/full-content/structure-faq.html>.  
(Diakses pada 20 Juni 2021)

[Kemenkes] Menteri Kesehatan Republik Indonesia. 2002. Keputusan Menteri Kesehatan Nomor: 1407/MENKES/SK/XI/2002 tentang Pedoman Pengendalian Dampak Pencemaran Udara. Jakarta : Kemenkes

Konda, A., Prakash, A., Moss, G.A., Schmoldt, M., Grant, G.D. and Guha, S., 2020. Aerosol filtration efficiency of common fabrics used in respiratory cloth masks. *ACS nano*, 14(5), pp.6339-6347.

Kousaka, Y., Okuyama, K., Shimada, M. and Takii, Y., 1990. Development of a method for testing very high-efficiency membrane filters for ultrafine aerosol particles. *Journal of*



*Chemical Engineering of Japan, 23(5), pp.568-574.*

Kusumaatmaja, A., Sukandaru, B., Chotimah and Triyana, K., 2016, July. Application of polyvinyl alcohol nanofiber membrane for smoke filtration. In *AIP Conference Proceedings* (Vol. 1755, No. 1, p. 150006). AIP Publishing LLC.

Li, W., Shen, S. and Li, H., 2016. Study and optimization of the filtration performance of multi-fiber filter. *Advanced Powder Technology*, 27(2), pp.638-645.

Lin, T.H., Chen, C.C., Huang, S.H., Kuo, C.W., Lai, C.Y. and Lin, W.Y., 2017. Filter quality of electret masks in filtering 14.6–594 nm aerosol particles: Effects of five decontamination methods. *PloS one*, 12(10), p.e0186217.

Lin, T.H., Tang, F.C., Chiang, C.H., Chang, C.P. and Lai, C.Y., 2017. Recovery of bacteria in filtering facepiece respirators and effects of artificial saliva/perspiration on bacterial survival and performance of respirators. *Aerosol and Air Quality Research*, 17(1), pp.187-197.

Liu, C., Hsu, P.C., Lee, H.W., Ye, M., Zheng, G., Liu, N., Li, W. and Cui, Y., 2015. Transparent air filter for high-efficiency PM 2.5 capture. *Nature communications*, 6(1), pp.1-9.

Liu, J., Ding, C., Dunne, F.O., Guo, Y., Fu, X. and Zhong, W.H., 2020. A Bimodal Protein Fabric Enabled via In Situ Diffusion for High-Performance Air Filtration. *Environmental Science & Technology*, 54(19), pp.12042-12050.

MacIntyre, C.R. and Chughtai, A.A., 2015. Facemasks for the prevention of infection in healthcare and community settings. *Bmj*, 350.

McCullough, N.V., Brosseau, L.M. and Vesley, D., 1997. Collection of three bacterial aerosols by respirator and surgical mask filters under varying conditions of flow and relative humidity. *The Annals of occupational hygiene*, 41(6), pp.677-690.

Prabowo, K. and Muslim, B., 2018. Penyehatan Udara. *Kementrian Kesehatan Republik Indonesia, Pusat Pendidikan Sumber Daya Manusia Kesehatan Bandar Pengembangan Dan Pemberdayaan Sumber Daya Manusia Kesehatan*.

Rebmann, T., 2008. Infection prevention: Dress up for safety with PPE. *LPN 2008*, 4(2), pp.6-13.

Rengasamy, S., Eimer, B. and Shaffer, R.E., 2010. Simple respiratory protection—evaluation of the filtration performance of cloth masks and common fabric materials against 20–1000 nm size particles. *Annals of occupational hygiene*, 54(7), pp.789-798.

Rodriguez-Martinez, C.E., Sossa-Briceño, M.P. and Cortés-Luna, J.A., 2020. Decontamination and reuse of N95 filtering facemask respirators: a systematic review of the literature. *American journal of infection control*.

Santosa, S.J., Okuda, T. and Tanaka, S., 2008. Air pollution and urban air quality management in Indonesia. *CLEAN–Soil, Air, Water*, 36(5-6), pp.466-475.



Shalihah, H., Kusumaatmaja, A., Nugraheni, A.D. and Triyana, K., 2017. Optimization of Chitosan/PVA Concentration in Fabricating Nanofibers Membrane and its Prospect as Air Filtration. In *Materials Science Forum* (Vol. 901, pp. 20-25). Trans Tech Publications Ltd.

Shokri, A., golbabaei, F., Seddigh-Zadeh, A.S.G.H.A.R., Baneshi, M.R., Asgarkashani, N. and Faghihi-Zarandi, A.L.I., 2015. Evaluation of physical characteristics and particulate filtration efficiency of surgical masks used in Iran's hospitals. *International Journal of Occupational Hygiene*, 7(1), pp.10-16.

Sippola, M.R. and Nazaroff, W.W., 2002. Particle deposition from turbulent flow: Review of published research and its applicability to ventilation ducts in commercial buildings.

Soedomo, M., 2001. Kumpulan karya ilmiah pencemaran udara. *ITB Bandung*.

Syaafriani 14 september 2020 (Pusat Perilaku dan Promosi kesehatan fakultas kedokteran, kesehatan masyarakat, dan keperawatan UGM)

Tcharkhtchi, A., Abbasnezhad, N., Seydani, M.Z., Zirak, N., Farzaneh, S. and Shirinbayan, M., 2021. An overview of filtration efficiency through the masks: Mechanisms of the aerosols penetration. *Bioactive materials*, 6(1), pp.106-122.

Teesing, G.R., van Straten, B., de Man, P. and Horeman-Franse, T., 2020. Is there an adequate alternative to commercially manufactured face masks? A comparison of various materials and forms. *Journal of Hospital Infection*, 106(2), pp.246-253.

Wardoyo, A.Y.P., 2016. *Emisi Partikulat Kendaraan Bermotor dan Dampak Kesehatan*. Universitas Brawijaya Press.

World Health Organization, 2014. *Infection prevention and control of epidemic-and pandemic-prone acute respiratory infections in health care*. World Health Organization. (Diakses tanggal 22 November 2020)

World Health Organization, 2020. *Modes of transmission of virus causing COVID-19: implications for IPC precaution recommendations: scientific brief*, 29 March 2020 (No. WHO/2019-nCoV/Sci\_Brief/Transmission\_modes/2020.2). World Health Organization.

Zhu, M., Cao, Q., Liu, B., Guo, H., Wang, X., Han, Y., Sun, G., Li, Y. and Zhou, J., 2020. A novel cellulose acetate/poly (ionic liquid) composite air filter. *Cellulose*, 27(7), pp.3889-3902.

Zhu, N., Zhang, D., Wang, W., Li, X., Yang, B., Song, J., Zhao, X., Huang, B., Shi, W., Lu, R. and Niu, P., 2020. A novel coronavirus from patients with pneumonia in China, 2019. *New England journal of medicine*.