

DAFTAR PUSTAKA

- Abdel-Salam, A. H., Ge, G., & Simonson, C. J. (2013). Performance analysis of a membrane liquid desiccant air-conditioning system. *Energy and Buildings*, 62, 559–569. <https://doi.org/10.1016/j.enbuild.2013.03.028>
- Barati Darband, G., Aliofkhazraei, M., Khorsand, S., Sokhanvar, S., & Kaboli, A. (2020). Science and Engineering of Superhydrophobic Surfaces: Review of Corrosion Resistance, Chemical and Mechanical Stability. Dalam *Arabian Journal of Chemistry* (Vol. 13, Nomor 1, hlm. 1763–1802). Elsevier B.V. <https://doi.org/10.1016/j.arabjc.2018.01.013>
- Bertling, R., Hack, M., Ausner, I., Horschitz, B., Bernemann, S., & Kenig, E. Y. (2022). Modelling *film* and *rivulet* flows on microstructured surfaces using CFD methods. *Chemical Engineering Science*, 251. <https://doi.org/10.1016/j.ces.2021.117414>
- Cengel, A. Y., & Boles, A. M. (2015). *Thermodynamics : An Engineering Approach, 8th Edition*.
- Conde, M. (2014). Aqueous Solutions Of Lithium And Calcium Chlorides: Property Formulations For Use In Air Conditioning Equipment Design. Dalam *ENGINEERING*.
- Dewadi, F. M., Lillahulhaq, Z., Irwanto, Karyasa, T. B., & Sari, D. K. (2023). *Teknik Pendingin Dan Tata Udara*. <https://www.researchgate.net/publication/370631014>
- Diana, L., Safitra, A. G., & Zinedine, M. P. (2020). Simulasi Aliran Fluida Melintasi Susunan Pipa Kondensor Dengan Variasi Bilangan Reynolds. *Seminar Nasional Terapan Riset Inovatif (SENTRINOV) Ke-6*, 6, 1–8.
- Fordham Edmund, John Edwards, Habashy Tarekh, Carnegie Andrew, Abdallah Wael, & Graue Arne. (2016). *Fundamentals of Wettability*. <https://www.researchgate.net/publication/309078059>
- Giannetti, N., Varela, R. J., Ariyadi, H., Yamaguchi, S., Saito, K., Wang, X. M., & Nakayama, H. (2018). Semitheoretical Prediction of the *Wetting* Characteristics of Aqueous Ionic Liquid Solution on an Aluminum Finned-Tube Desiccant Contactor. *Journal of Fluids Engineering, Transactions of the ASME*, 140(12). <https://doi.org/10.1115/1.4040796>
- Giannetti, N., Yamaguchi, S., & Saito, K. (2016). *Wetting* behavior of a liquid *film* on an internally-cooled desiccant contactor. *International Journal of Heat and Mass Transfer*, 101, 958–969. <https://doi.org/10.1016/j.ijheatmasstransfer.2016.05.128>

- Gonzales, R. C., Woods, R. E., & Eddins, S. L. (2009). *Digital Image processing Using Matlab Book*. 1–303.
- Gusrita, D., Gusnedi, dan, Jurusan Fisika FMIPA UNP, M., & Pengajar Jurusan Fisika, S. (2014). Pengaruh Viskositas Fluida Terhadap Sifat Hydrophobic dari Berbagai Macam Daun. Dalam *PILLAR OF PHYSICS* (Vol. 1).
- Haeri, S., & Hashemabadi, S. H. (2009). Experimental study of gravity-driven *film* flow of non-newtonian fluids. *Chemical Engineering Communications*, 196(5), 519–529. <https://doi.org/10.1080/00986440802484481>
- Hidayati, B., & Wahyudi, R. (2019). Analisa Pengurangan Kadar Uap Air Pada Kentang Menggunakan Metode Dehumidifier. *Jurnal PETRA* /, 6(1).
- Jeyapoovan, T., & Murugan, M. (2013). Surface roughness classification using *image processing*. *Measurement: Journal of the International Measurement Confederation*, 46(7), 2065–2072. <https://doi.org/10.1016/j.measurement.2013.03.014>
- Lu, C., Jiang, S. Y., & Duan, R. Q. (2016). Wave Characteristics of Falling *Film* on Inclination Plate at Moderate Reynolds Number. *Science and Technology of Nuclear Installations*, 2016. <https://doi.org/10.1155/2016/6586097>
- Lu, Y., Stehmann, F., Yuan, S., & Scholl, S. (2017). Falling *film* on a vertical flat plate – Influence of liquid distribution and fluid properties on *wetting* behavior. *Applied Thermal Engineering*, 123, 1386–1395. <https://doi.org/10.1016/j.applthermaleng.2017.05.110>
- LYu, Y., Yin, Y., Zhang, X., & Jin, X. (2018). Investigation of falling-*film* plate *wettability* characteristics under dehumidification and regeneration conditions using LiCl-H₂O. *International Journal of Refrigeration*, 94, 118–126. <https://doi.org/10.1016/j.ijrefrig.2018.07.002>
- Maryadi. (2021). *Pengaruh Aktifitas Orang Dan Jumlah Udara Segar Terhadap Beban Pendingin Dan Kelembaban Udara Ruangan*.
- Qi, R., Dong, C., Yu, S., & Zhang, L. Z. (2021). Modelling and experiments of falling *film* break-up characteristics considering mass transfer for liquid desiccant dehumidification. *International Journal of Heat and Mass Transfer*, 181, 1–11. <https://doi.org/10.1016/j.ijheatmasstransfer.2021.122027>
- Qi, R., Lu, L., Yang, H., & Qin, F. (2013). Investigation on wetted area and *film* thickness for falling *film* liquid desiccant regeneration system. *Applied Energy*, 112, 93–101. <https://doi.org/10.1016/j.apenergy.2013.05.083>
- Roques-Carmes, T., Semara, H., Guyon, C., Tatouliau, M., Ognier, S., & Commenge, J. M. (2014). Understanding of the liquid overflow behavior inside micro-structured falling *film* reactors based on a *wetting* approach.

Chemical Engineering Science, 118, 245–256.

<https://doi.org/10.1016/j.ces.2014.07.052>

- Salikandi, M., Ranjbar, B., Shirkhan, E., Shanmuga Priya, S., Thirunavukkarasu, I., & Sudhakar, K. (2021). Recent trends in liquid desiccant materials and cooling systems: Application, performance and regeneration characteristics. Dalam *Journal of Building Engineering* (Vol. 33). Elsevier Ltd. <https://doi.org/10.1016/j.job.2020.101579>
- Scolaro, C., Torrisi, L., Cutroneo, M., & Caridi, F. (2012). *A Liquid contact angles on biocompatible surfaces Micro-computed tomography in Endodontics View project Non-equilibrium plasmas production by laser ablation View project*. <https://www.researchgate.net/publication/297698827>
- Song, R., Zou, T., Chen, J., Hou, X., & Han, X. (2019). Study on the Physical Properties of LiCl Solution. *IOP Conference Series: Materials Science and Engineering*, 562(1). <https://doi.org/10.1088/1757-899X/562/1/012102>
- Sookchaiya, T., Monyakul, V., & Thepa, S. (2010). Assessment of the thermal environment effects on human comfort and health for the development of novel air conditioning system in tropical regions. *Energy and Buildings*, 42(10), 1692–1702. <https://doi.org/10.1016/j.enbuild.2010.04.012>
- Sulaiman, A., Nugroho, A. W., & Sunardi, S. (2016). Pengaruh Variasi Sudut Penembakan Shot Peening Terhadap Struktur Mikro, Kekerasan, Kekasaran Permukaan, Dan Wettability Pada Stainless Steel Aisi-304. *Journal Teknik Mesin UMY 2016*, 1–8.
- Takeshi, O. (1999). Surface equation of falling *film* flows with moderate Reynolds number and large but finite Weber number. *Physics of Fluids*, 11(11), 3247–3269. <https://doi.org/10.1063/1.870186>
- Trinuruk, P., Giannetti, N., Takuya, K., Yamaguchi, S., Saito, K., Trinuruk, O., & Giannetti, N. (2018). Influence of the Fluid Distribution Width on the Wettability of *Rivulet* Flow over Vertical Flat Surfaces. *International Refrigeration and Air Conditioning Conference*, 1–7. <https://docs.lib.purdue.edu/iracc/1999>
- Wen, T., & Lu, L. (2019). Numerical and experimental study on internally cooled liquid desiccant dehumidification concerning *film* shrinkage shape and vapor condensation. *International Journal of Thermal Sciences*, 136, 316–327. <https://doi.org/10.1016/j.ijthermalsci.2018.10.046>
- Widayana, G., & Yuwono, T. (2010). *Studi eksperimental dan numerik aliran dua fase (air-udara) melewati elbow 300 dri pipa vertikal menuju pipa dengan sudut kemiringan 600*.

- Yasmin Nashita, N., Suhaeli Fahmi, A., & Sumardianto. (2022). *Pengaruh Perendaman Kalsium Klorida (CaCl₂) Terhadap Karakteristik Dan Tingkat Rehidrasi Pempek Kering*. <http://jfmr.ub.ac.id>
- Yu, Y. Q., Wei, S. J., Yang, Y. H., & Cheng, X. (2012). Experimental study of water *film* falling and spreading on a large vertical plate. *Progress in Nuclear Energy*, 54(1), 22–28. <https://doi.org/10.1016/j.pnucene.2011.09.007>
- Yue, Y., Yang, J., Li, X., Song, Y., Zhang, Y., & Zhang, Z. (2021). Experimental research on falling *film* flow and heat transfer characteristics outside the vertical tube. *Applied Thermal Engineering*, 199. <https://doi.org/10.1016/j.applthermaleng.2021.117592>
- Yuliwati, E., & Ismail, A. F. (2011). Effect of additives concentration on the surface properties and performance of PVDF ultrafiltration membranes for refinery produced wastewater treatment. *Desalination*, 273(1), 226–234. <https://doi.org/10.1016/j.desal.2010.11.023>
- Zulfiqar, B., Vogel, H., Ding, Y., Golmohammadi, S., Küchler, M., Reuter, D., & Geistlinger, H. (2020). The Impact of *Wettability* and Surface Roughness on Fluid Displacement and Capillary Trapping in 2-D and 3-D Porous Media: 2. Combined Effect of *Wettability*, Surface Roughness, and Pore Space Structure on Trapping Efficiency in Sand Packs and Micromodels. *Water Resources Research*, 56(10). <https://doi.org/10.1029/2020WR027965>