

DAFTAR PUSTAKA

- Afyudin, O. A., 2015, Pengaruh Penggunaan *Phase Change Material* Berbahan Minyak Nabati sebagai Pendingin Tubuh Terhadap Penurunan *Heat Strain*, Tesis, Departemen Teknik Mesin dan Industri, Universitas Gadjah Mada, Yogyakarta.
- Ayu, A. S., 2016, Analisis Pengaruh *Phase Change Material* Berbahan Minyak Kelapa dan Minyak Sawit Sebagai *Personal Cooling Device* Terhadap Respon Fisiologis dan Psikologis Setelah Melakukan Aktivitas Fisik di Lingkungan Panas, Skripsi, Departemen Teknik Mesin dan Industri, Universitas Gadjah Mada, Yogyakarta.
- Bennett, B.L., Hagan, R. D., Huey, K. A., Minson, C. and Cain, D., 1995, Comparison of two cool vests on heat-strain reduction while wearing a firefighting ensemble. *European Journal of Applied Physiology*, 70(4), 322–328.
- Brade, C., Dawso, B., Wallman, K., and Polglaze, T., 2010, Post Exercise Cooling Rates in 2 Cooling Jackets, *Journal of Athletic Training*, 45(2), 164-169.
- Brain, A.R., and Jay, O., 2011, Does Summer in A Humid Continental Climate Elicit An Acclimatization of Human Thermoregulatory Response?, *Eur J Appl Physiol*, 111, 1197-1205.
- Brewster, M.Q., 1992, *Thermal Radiative Transfer and Properties*, John Wiley and Sons, Inc, Canada.
- Budd, G., Brotherhood, J., Hendrie, L., Cheney, P., and Dawson, M., 1996, *Safe and Protective Brushfire fighting with hand tools*, Australian Government Publishing Service.
- Cena, K., and Clark, J.A., 1981, *Bioengineering, Thermal Physiology and Comfort*, Elsevier, Amsterdam.
- Choi, J.W., Kim, M.J., and Lee, J.Y., 2008, Alleviation of Heat Strain by Cooling Different Body Areas during Red Pepper Harvest Work at WBGT 33°C, *Industrial Health*, 46, 620-628.
- Chou, C., Tochihara, Y., and Kim. T., 2008, Physiological and Subjective Responses to Cooling Devices on Firefighting Protective Clothing, *Eur J Appl Physiol*, 104, 364-374.

- Clark, J.A., Mcarthltr, A.J., and Monteith, J.L., 1981, *The Physics Of The Microclimate, Bioengineering, Thermal Physiology, and Comfort*, Elsevier Scientific Publishing Company, New York.
- Empa, R. R., 2014, Clothing for protection against heat and flames, F Wang & C Gao (eds), *Protective Clothing Managing Thermal Stress*, Woodhead Publishing is an imprint of Elsevier, United Kingdom.
- Fathna, F. M., 2015, Pengaruh Pakaian Olahraga Ketat dan Longgar Terhadap Respon Fisiologis dan Keseimbangan Termal dalam Tubuh, Tesis, Departemen Teknik Mesin dan Industri, Universitas Gadjah Mada, Yogyakarta.
- Feldman, D., and Shapiro, M.M., 1989, Fatty Acids and Their Mixture as Phase Change Materials for Thermal Energy Storage, *Sol Energ Mat*, 18, 201-216.
- Firestone, D., 2013, *Physical and Chemical Characteristics of Oils, Fats and Waxes*, AOCS Press, Urbana.
- Gao, C., Kuklane, K., and Holmer, I., 2010, Cooling Vest with Phase Change Material Pack : The Effect of Temperature Gradient, Mass and Covering Area, *Ergonomics*, 53(5), 716-723.
- Guowen, S., 2002, Modelling Thermal Protection Outfit for fire exposures, Dissertation, North Carolina State University, United States.
- Handriani, F. D., 2015, Pengaruh Penempatan *Phase Change Material* Berbahan Minyak Kelapa Sawit pada Dada dan Punggung Terhadap Respon Fisiologis dan Psikologis dalam Beraktivitas di Lingkungan Panas, Skripsi, Jurusan Teknik Mesin dan Industri, Universitas Gadjah Mada, Yogyakarta.
- Havenith, G., 2005, *Temperature Regulation, Heat Balance and Climatic Stress*, Kirch, W., Menne, B. and Bertollini, R., Springer-Verlag, Berlin.
- Henry, C.J.K., and Rees, D.G., 1991, New Predictive Equation for The Estimation of Basal Metabolic Rate in Tropical Peoples, *European Journal of Clinical Nutrition*, 45, 177-185.
- Jiji, L.M., 2009, *Heat Conduction 3rd edition*, Springer, Berlin.
- Kiekens, P., and Jayarakaman, S., 2012, *Intelligent Textile and Clothing for Ballistic and NBC Protection*, NATO OTAN, Croatia.

- Kosny, J., 2015, *PCM-Enhanced Building Components: An Application of Phase Change Material in Building Envelopes and Internal Structure*, Springer, Switzerland.
- Kaudy, L., Rounsaville, J.F., Schulz, G., 1995, *Ullman's Encyclopedia of Industrial Chemistry Vol A10 Fats and Oils*, VCH, Weinheim.
- Komarov, V., 2012, *Handbook of Dielectric and Thermal Properties of Materials at Microwave Frequencies*, Artech House, London.
- Kuchel, G.A., and Hof, P.R., 2004, *Autonomic Nervous System in Old Age*, Karger, Switzerland.
- Miguel, B., 2015, *CIA World Factbook*, <http://www.indexmundi.com>, online accessed on March 3rd 2016.
- Muflichatun, 2006, Hubungan Antara Tekanan Panas, Denyut Nadi, dan Produktivitas Kerja Pada Pekerja Pandai Besi Paguyuban Wesi Aji Donorejo Batang, Skripsi, Jurusan Ilmu Kesehatan Masyarakat, Universitas Negeri Semarang, Semarang.
- Malchaire, 2014, *Ergonomics online accessed of the thermal environment: Determination of metabolic rate*, <http://www.deparisnet.be/.pdf>, online accessed on March 2nd 2016
- Mehling, H. dan Cabeza, L.F., 2008, *Heat and Cold Storage with PCM*, Springer-Verlag Berlin Heidelberg, Germany.
- Mondal, S., 2007, Phase Change Material for Smart Textile, *Appl. Therm.Eng*, 28, 1536-1550.
- Nadel, E.R., 1977, *Problems with Temperature Regulation during Exercise*, Academic Press Inc, New York.
- OSHA, 2014, *Protecting Workers from Heat Stress*, <https://www.osha.gov>, online accessed on March 3rd 2016.
- Parsons, K.C., 2003, *Human Thermal Environments: The Effect of Hot, Moderate, and Cold Environments on Human Health, Comfort, and Performance*, 2nd ed, Taylor and Francis Inc., London and New York.
- Reinertsen R.E., Farevik H., Holbo, K., Nesbakken, R., Reian, J., Royset A, and Thi M.S.L, 2008, Optimizing the Performance of Phase-Change Materials in Personal Protective Clothing Systems, *International Journal of Occupational Safety and Ergonomics (JOSE)*, 14(1), 43-53.

- Wakabayashi, H., Wijayanto, T., Lee, J.Y., Hashiguchi, N., Saat, M., and Tochiara, Y., 2011, Comparison of Heat Dissipation Response between Malaysian and Japanese Males during Exercise in Humid Heat Stress, *International Journal of Biometeorology*, 55, 509–517.
- Zain, A.R.K., 2015, Analisis Pengaruh Penggunaan dan Penempatan *Phase Change Material* Berbahan Minyak Kelapa untuk Teknik Precooling Terhadap Respon Fisiologis dan Subjektif Ketika Melakukan Aktivitas Fisik di Lingkungan Panas, Skripsi, Departemen Teknik Mesin dan Industri, Universitas Gadjah Mada, Yogyakarta.
- Webster, J., Holland, E.J., Sleivert, G., Laing, R.M., and Niven, B.E., 2005, A light-weight cooling vest enhances performance of athletes in the heat. *Ergonomics*, 48 (7), 821–837.
- Williams, L. and Wilkins, 2007, *ACSM's Metabolic Calculations Handbook*, American College of Sport Medicine, Baltimore.