

DAFTAR PUSTAKA

- Bararah, T., & Jauhar, M. 2013. *Asuhan Keperawatan: Panduan Lengkap Menjadi Perawat Profesional*. Jakarta: Prestasi Pustaka Jakarta.
- C. Fox, Kilvert A. 2010. *Bersahabat dengan Diabetes Tipe 2*. Depok: Penebar Plus.
- Chang E., Daly J., Elliott D. 2006. *Pathophysiology. Applied to nursing practice*. Marrickville. New South Wales :Mosby Elsevier.
- Colten R. Harvey., Altevogt M. Bruce. (2006). *Sleep disorders and sleep deprivation: An Unmet Public Health Problem*. Washington, DC : The National Academic Press.
- Cranmer H, Shannon M. 2009. *Blood Glucose Levels: Medical Reference From Healthwise*. Hypoglycemia Diabetes Health Center.
- DEPKES RI. 2019. *Kamus Kementerian Kesehatan Republik Indonesia*. Accessed 06 09, 2019.
- Eberly R, Feldman H. Obesity and Shift Work in the General Population. *The Internet Journal of Allied Health Sciences and Practice*. July 2010; 8(3)
- Ebenezer et al, 2013. *Study of glycated hemoglobin in chronic cigarette smokers. International Journal of Pharmaceutical and Clinical Research*. India: SRM Medical Collage Hospital and Research Centre



Fatih Ozcelik et al. 2010. *Association between glycemc control and the level of knowledge and disease awareness in type 2 diabetic patiens* (Pol Arch Med Wewn).

Firdaus, Hery. 2005. *Pengaruh Shift Kerja Terhadap Kejadian Stres Pada Tenaga Kerja di Bagian Produksi Pabrik Kelapa Sawit PTPN 4 Kebun Pabatu Tebing Tinggi*. Skripsi, Medan: Skripsi, Fakultas Kesehatan Masyarakat, Universitas Sumatera Utara.

Galleta, Gayle. 2005. Obesity, retrieved, Diakses : 16 juli 2016.
http://www.emediiehealth.com/obesity/article_em.htm

Gan, Yong, Yang, Chen and Tong, Xinyue. 2014. *Shift Work and Diabetes Mellitus: A Meta-analysis of Observational Studies*. Wuhan : BMJ Publishing.

Guyton and Hall, 2010. Buku Ajar Fisiologi Kedokteran. Jakarta: EGC.

Guyton, A.C. dan J.E. Hall, 2006. *Textbook of Medical Physiology. 11th ed.* Pennsylvania: Elsevier Saunders.

Harefa, E. 2011. *HbA1c Standardization and Recent Updates. Prodia Laboratories*. Makassar.

Firdaus, Henry. 2005. *Pengaruh Shift Kerja Terhadap Kejadian Stres di Bagian Produksi Pabrik Kelapa Sawit PT. Perkebunan Nusantara IV Kebun Pabatu Tebing Tinggi*. Skripsi FKM Universitas Sumatera Utara.

Medan



Hidayah, Nabilah Nur, 2018. *Gambaran glukosa darah penderita tuberculosis paru pada pasien sebelum dan sesudah mengkonsumsi obat anti tuberkulosis*. Semarang: Fakultas Ilmu Keperawatan dan Kesehatan Universitas Muhammadiyah Semarang.

Hidayat, Aziz Alimul. 2007. *Metode Penelitian Kebidanan dan Tehnik Analisis Data*. Jakarta: Salemba Medika.

Hill J.O. 2005 *Obesity : Etiology in Modern Nutrition in Health and Disease*. USA: Lippincot Williams

Idapola, S, S, J. *Hubungan Indeks Massa Tubuh dengan Biokimia Darah: Trigliserida, Kolesterol, dan Glukosa Darah*. Universitas Indonesia. Jakarta. 2009

Khairunnisa, I. 2001. *Hubungan Shift Kerja dengan Terjadinya Kelelahan Kerja pada Operator Telepon di Kantor Daerah Telekomunikasi Medan Tahun 2001*. Medan: Skripsi, FKM USU.

Kuswadji, S. 1997. *Pengaturan Tidur Pekerja Shift, Cermin Dunia Kedokteran*. No. 116/1997, 52-48.

Lestari, Purwanto D. S, Kaligis S. H. 2013. *Gambaran Kadar Glukosa Darah Puasa pada Mahasiswa Angkatan 2011 Fakultas Kedokteran Universitas SAM Ratulangi dengan Indeks Masa Tubuh 18,5-22,9 kg/m²*. SAM Ratulangi, Jurnal e-Biomedik.



Lisbet C.A. 2004. Hubungan antara obesitas berdasarkan klasifikasi indeks massa tubuh dengan kejadian sindroma metabolik pada karyawan bank. Nexus Medicus. 16:20-25.

Lloyd, C., Smith, J., Weinger, K. 2005. *Stress and Diabetes: A Review of the Links. Diabetes Spectrum*. Volume 18 Number 2

Mahendra, Krisnatuti D, Tobing A. 2008. *Care Your Self Diabetes Mellitus*. Jakarta: Penebar Plus.

Monk., Folkard. 1983. *Ciradian Rhythm and Shift Work*. John Wiley Sons. New York

Mufidah Zuhrotul, 2016. *Perbedaan kadar glukosa darah puasa antara bidan yang bekerja shift dan non-shift di RSUD Dr. Soetomo Surabaya*. Surabaya: Fakultas Kedokteran Universitas Airlangga.

Murray, R.K., D.K. Granner, dan V.W. Rodwell, 2006. *Harper's Illustrated Biochemistry*. 27th ed. USA: The McGraw-Hill Companies. Inc.

Nitin, S. 2010. *HbA1c and factors other than diabetes mellitus affecting it*. Singapore Medical Journal.51(8): 616-622

Noni, Doe. 2012. *Gangguan Tidur Pada Perawat Pekerja Shift*. 2012. [Skripsi]. Fakultas Ilmu Keperawatan UKSW. Salatiga.

Nursalam. 2003. *Konsep dan Penerapan Metodologi Penelitian Ilmu Keperawatan Pedoman Skripsi, Tesis dan Instrumen Penelitian Keperawatan*. Jakarta: Salemba Medika.



Occupational Health Clinics for Ontario Workers Inc. 2015. *Shift Work*.
Hongkong: Labour Department.

PERKENI. 2011. *Konsensus Pengelolaan dan Pencegahan Diabetes Melitus
Tipe 2 di Indonesia*. Jakarta.

PERKENI. 2015. *Pengelolaan dan Pencegahan Diabetes Melitus Tipe 2 di
Indonesia*. Jakarta: PB. PERKENI.

Pietroiusti A, Neri A, Somma G, Coppeta L, Iavicoli I, Bergamaschi A,
et al. Incidence of metabolic syndrome among night-shift healthcare
workers. *Occup Environ Med*. 2010; 67:54-57.

Price, S; Wilson, L., 2006. *Patofisiologi Konsep Klinis Proses-Proses
Penyakit. Edisi 6*. Penerbit Buku Kedokteran EGC, Jakarta

RK Murray, DK Granner, VW Rodwell. 2006. *Biokimia Harper*. Vol. 27.
Boston: Boston Lange Medical Books.

Saksono, A. 1991. *Perlindungan Tenaga Kerja Wanita, Modul Kursus
Tertulis Bagi Dokter Hiperkes*. Jakarta: Pusat Pelayanan Ergonomi,
Kesehatan dan Keselamatan Kerja Depnaker RI.

Siagian, P, 2012. *Manajemen sumber daya manusia*. Jakarta: Bumi Aksara.

Sigal, J.R., Kenny, G.P., Wasserman, D.H., and Castaneda, S.C. 2004.
*Physical activity/exercise and type 2 diabetes. ADA Statements. Diabetes
Care*. Volume 27. Number 10. p. 2518-2539.



Smith , A, dan Sonesh, S., 2011. How Hazards and Safety Training Influence Learning and Performance, *Journal of Applied Psychology* 2011 *American Psychological Association Vol 96 No.1.*

Spiegel, K, et al. 1999. *Impact of sleep debt on metabolic and endocrine Function . Lancet.* 354 : 1435 – 1439.

Stevens, RG, 2011. *Considerations of circadian impact for defining 'shift work' in cancer studies.* IARC Working Group Report. *Occup Environ Med* Vol. 68.

Sugondo S. 2006. *Obesitas.* In : Sudoyo A.W, dkk (eds). *Buku Ajar Ilmu Penyakit Dalam Jilid III Edisi IV.* Jakarta: FKUI, hal : 1919-1925.

Suma'mur, P.K. 1993. *Ergonomi untuk Produktivitas Kerja.* Yayasan Swabhawa Karya. Jakarta.

Supariasa I.D.N, Bakri B, Fajar I. 2002. *Penilaian Status Gizi.* Jakarta: EGC, hal: 59-62.

Suwazono Y, Dochi M , Sakata K, Okubo Y, Oishi M, Tanaka K, et al. A Longitudinal Study on the Effect of Shift Work on Weight Gain in Male Japanese Workers. *Obesity Journal.* 2008; 16, 1887–1893

Taheri S, Lin L, Austin D, Young T, Mignot E. Short sleep duration is associated with reduced leptin, elevated ghrelin, and increased body mass index. *PLoS Med.* 2004; 1(3):e62



Taub, ML., Redeker, S.N. 2008. Sleep disorder, glucose regulation and type 2 diabetes. *Biology Research Nursing*. Volume 9. Number 3. 231-243.

Wolever, M.T. 2003. Carbohydrate and the regulation of blood glucose and metabolism. International Life Sciences Institute.

WEB MD. 2015. Diabetes and the Fasting Plasma Glucose Test. Accessed Juni 9, 2019. <http://www.webmd.com/diabetes/guide/blood-glucose>.

Yulianti, et. all. 2014. Perbedaan Kualitas Hidup Lansia Yang Tinggal di Komunitas dengan di Pelayanan Sosial Lanjut Usia. Universitas Jember. Vol 2. No 1. Januari.



LAMPIRAN

Frequencies

Statistics

| | shift di PT. Eastern Pearl Flour Mills City Makassar. | Jenis Kelamin Responden | IMT Tahun 2013 | IMT Tahun 2015 | IMT Tahun 2017 | |
|----------------|---|-------------------------|----------------|----------------|----------------|-------|
| N | Valid | 230 | 230 | 230 | 230 | |
| | Missing | 0 | 0 | 0 | 0 | |
| Std. Deviation | | ,501 | ,247 | 1,420 | 1,074 | 1,119 |
| Minimum | | 1 | 1 | 1 | 1 | 2 |
| Maximum | | 2 | 2 | 6 | 5 | 5 |

Frequency Table

shift di PT. Eastern Pearl Flour Mills City Makassar.

| | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-----------|---------|---------------|--------------------|
| Valid | Shift | 115 | 50,0 | 50,0 |
| | Non Shift | 115 | 50,0 | 100,0 |
| | Total | 230 | 100,0 | |

Jenis Kelamin Responden

| | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-----------|---------|---------------|--------------------|
| Valid | Laki-Laki | 215 | 93,5 | 93,5 |
| | Perempuan | 15 | 6,5 | 100,0 |
| | Total | 230 | 100,0 | |



IMT Tahun 2013

| | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------------------|-----------|---------|---------------|--------------------|
| Underweight | 7 | 3,0 | 3,0 | 3,0 |
| Normal | 42 | 18,3 | 18,3 | 21,3 |
| Obesitas | 19 | 8,3 | 8,3 | 29,6 |
| Valid Overweight1 | 50 | 21,7 | 21,7 | 51,3 |
| Overweight2 | 78 | 33,9 | 33,9 | 85,2 |
| NA | 34 | 14,8 | 14,8 | 100,0 |
| Total | 230 | 100,0 | 100,0 | |

IMT Tahun 2015

| | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------------------|-----------|---------|---------------|--------------------|
| Underweight | 1 | ,4 | ,4 | ,4 |
| Normal | 30 | 13,0 | 13,0 | 13,5 |
| Obesitas | 29 | 12,6 | 12,6 | 26,1 |
| Valid Overweight1 | 63 | 27,4 | 27,4 | 53,5 |
| Overweight2 | 107 | 46,5 | 46,5 | 100,0 |
| Total | 230 | 100,0 | 100,0 | |

IMT Tahun 2017

| | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------------------|-----------|---------|---------------|--------------------|
| Normal | 38 | 16,5 | 16,5 | 16,5 |
| Obesitas | 26 | 11,3 | 11,3 | 27,8 |
| Valid Overweight1 | 57 | 24,8 | 24,8 | 52,6 |
| Overweight2 | 109 | 47,4 | 47,4 | 100,0 |
| Total | 230 | 100,0 | 100,0 | |



Optimization Software:
www.balesio.com

Crosstabs

Case Processing Summary

| | Cases | | | | | |
|--|-------|---------|---------|---------|-------|---------|
| | Valid | | Missing | | Total | |
| | N | Percent | N | Percent | N | Percent |
| IMT Tahun 2013 * shift di PT. Eastern Pearl Flour Mills City Makassar. | 230 | 100,0% | 0 | 0,0% | 230 | 100,0% |
| IMT Tahun 2015 * shift di PT. Eastern Pearl Flour Mills City Makassar. | 230 | 100,0% | 0 | 0,0% | 230 | 100,0% |
| IMT Tahun 2017 * shift di PT. Eastern Pearl Flour Mills City Makassar. | 230 | 100,0% | 0 | 0,0% | 230 | 100,0% |



IMT Tahun 2013 * shift di PT. Eastern Pearl Flour Mills City

Makassar.

Crosstab

| | | shift di PT. Eastern Pearl Flour Mills City | | Total | |
|-------------------|----------------------------|---|-----------|--------|--------|
| | | Makassar. | | | |
| | | Shift | Non Shift | | |
| IMT Tahun 2013 | Underweight | Count | 4 | 3 | 7 |
| | | % within IMT Tahun 2013 | 57,1% | 42,9% | 100,0% |
| | | % of Total | 1,7% | 1,3% | 3,0% |
| | Normal | Count | 21 | 21 | 42 |
| | | % within IMT Tahun 2013 | 50,0% | 50,0% | 100,0% |
| | | % of Total | 9,1% | 9,1% | 18,3% |
| | Obesitas | Count | 8 | 11 | 19 |
| | | % within IMT Tahun 2013 | 42,1% | 57,9% | 100,0% |
| | | % of Total | 3,5% | 4,8% | 8,3% |
| | Overweight1 | Count | 28 | 22 | 50 |
| | | % within IMT Tahun 2013 | 56,0% | 44,0% | 100,0% |
| | | % of Total | 12,2% | 9,6% | 21,7% |
| | Overweight2 | Count | 54 | 24 | 78 |
| | | % within IMT Tahun 2013 | 69,2% | 30,8% | 100,0% |
| | | % of Total | 23,5% | 10,4% | 33,9% |
| | Count | 0 | 34 | 34 | |
| | % within IMT Tahun 2013 | 0,0% | 100,0% | 100,0% | |



| | | | | |
|-------|----------------------------|-------|-------|--------|
| Total | % of Total | 0,0% | 14,8% | 14,8% |
| | Count | 115 | 115 | 230 |
| | % within IMT Tahun 2013 | 50,0% | 50,0% | 100,0% |
| | % of Total | 50,0% | 50,0% | 100,0% |

Chi-Square Tests

| | Value | df | Asymp. Sig. (2- sided) |
|------------------------------|---------------------|----|---------------------------|
| Pearson Chi-Square | 46,875 ^a | 5 | ,000 |
| Likelihood Ratio | 60,316 | 5 | ,000 |
| Linear-by-Linear Association | 3,113 | 1 | ,078 |
| N of Valid Cases | 230 | | |

a. 2 cells (16,7%) have expected count less than 5. The minimum expected count is 3,50.



IMT Tahun 2015 * shift di PT. Eastern Pearl Flour Mills City

Makassar.

Crosstab

| | | shift di PT. Eastern Pearl Flour Mills City | | Total | |
|-------------------|--------------------|---|-----------|--------|--------|
| | | Makassar. | | | |
| | | Shift | Non Shift | | |
| IMT Tahun 2015 | Underweight | Count | 0 | 1 | 1 |
| | | % within IMT Tahun | 0,0% | 100,0% | 100,0% |
| | | 2015 | | | |
| | | % of Total | 0,0% | 0,4% | 0,4% |
| | Normal | Count | 10 | 20 | 30 |
| | | % within IMT Tahun | 33,3% | 66,7% | 100,0% |
| | | 2015 | | | |
| | | % of Total | 4,3% | 8,7% | 13,0% |
| | Obesitas | Count | 12 | 17 | 29 |
| | | % within IMT Tahun | 41,4% | 58,6% | 100,0% |
| | | 2015 | | | |
| | | % of Total | 5,2% | 7,4% | 12,6% |
| | Overweight1 | Count | 30 | 33 | 63 |
| | | % within IMT Tahun | 47,6% | 52,4% | 100,0% |
| | | 2015 | | | |
| | % of Total | 13,0% | 14,3% | 27,4% | |
| Overweight2 | Count | 63 | 44 | 107 | |
| | % within IMT Tahun | 58,9% | 41,1% | 100,0% | |
| | 2015 | | | | |
| | % of Total | 27,4% | 19,1% | 46,5% | |
| | Count | 115 | 115 | 230 | |
| | % within IMT Tahun | 50,0% | 50,0% | 100,0% | |
| | 2015 | | | | |



| | | | |
|------------|-------|-------|--------|
| % of Total | 50,0% | 50,0% | 100,0% |
|------------|-------|-------|--------|

Chi-Square Tests

| | Value | df | Asymp. Sig. (2-sided) |
|------------------------------|--------------------|----|-----------------------|
| Pearson Chi-Square | 8,712 ^a | 4 | ,069 |
| Likelihood Ratio | 9,185 | 4 | ,057 |
| Linear-by-Linear Association | 8,330 | 1 | ,004 |
| N of Valid Cases | 230 | | |

a. 2 cells (20,0%) have expected count less than 5. The minimum expected count is ,50.



IMT Tahun 2017 * shift di PT. Eastern Pearl Flour Mills City

Makassar.

Crosstab

| | | shift di PT. Eastern Pearl Flour Mills City | | Total |
|--------------------|--------------------|---|-----------|--------|
| | | Makassar. | | |
| | | Shift | Non Shift | |
| IMT Tahun 2017 | Count | 14 | 24 | 38 |
| | Normal | | | |
| | % within IMT Tahun | 36,8% | 63,2% | 100,0% |
| | 2017 | | | |
| | % of Total | 6,1% | 10,4% | 16,5% |
| | Count | 13 | 13 | 26 |
| | Obesitas | | | |
| | % within IMT Tahun | 50,0% | 50,0% | 100,0% |
| | 2017 | | | |
| | % of Total | 5,7% | 5,7% | 11,3% |
| | Count | 26 | 31 | 57 |
| | Overweight1 | | | |
| % within IMT Tahun | 45,6% | 54,4% | 100,0% | |
| 2017 | | | | |
| % of Total | 11,3% | 13,5% | 24,8% | |
| Count | 62 | 47 | 109 | |
| Overweight2 | | | | |
| % within IMT Tahun | 56,9% | 43,1% | 100,0% | |
| 2017 | | | | |
| % of Total | 27,0% | 20,4% | 47,4% | |
| Count | 115 | 115 | 230 | |
| Total | | | | |
| % within IMT Tahun | 50,0% | 50,0% | 100,0% | |
| 2017 | | | | |
| % of Total | 50,0% | 50,0% | 100,0% | |



Chi-Square Tests

| | Value | df | Asymp. Sig. (2-sided) |
|------------------------------|--------------------|----|-----------------------|
| Pearson Chi-Square | 5,134 ^a | 3 | ,162 |
| Likelihood Ratio | 5,173 | 3 | ,160 |
| Linear-by-Linear Association | 4,253 | 1 | ,039 |
| N of Valid Cases | 230 | | |

a. 0 cells (0,0%) have expected count less than 5. The minimum expected count is 13,00.

