

BAB 6

KESIMPULAN DAN SARAN

Bab ini berisi kesimpulan hasil penelitian yang disesuaikan dengan tujuan penelitian, serta saran bagi praktik keperawatan, pendidikan keperawatan dan penelitian keperawatan selanjutnya.

6.1 Kesimpulan

Kesimpulan dalam penelitian ini adalah sebagai berikut:

1. Karakteristik responden dalam penelitian ini adalah 28 (60,9%) responden dalam rentang usia >46 tahun, 44 (95,7%) responden berjenis kelamin perempuan, sebanyak 35 (76,1%) responden menggunakan kemoterapi oral, sebanyak 31 (67,4%) responden memakai kemoterapi *single dose* dan 25 (54,3%) responden memiliki riwayat *motion sickness*.
2. Adanya perbedaan yang signifikan rata-rata mual muntah sebelum dengan setelah pada kelompok yang dilakukan akupresur dengan nilai $P=0.000$ ($<0,05$) dengan kata lain secara signifikan bahwa akupresur dapat menurunkan rata-rata mual sebesar 0,61.
3. Adanya perbedaan yang signifikan rata-rata *post-test* mual muntah *delayed* antara kelompok intervensi dan kelompok kontrol dengan nilai $P=0,001$ ($<0,05$). Sehingga dapat disimpulkan akupresur dapat membantu mengatasi mual muntah *delayed* pada pasien kemoterapi.
4. Hasil *Pvalue* pada variabel usia dengan mual muntah *delayed* menunjukkan hasil 0,73 ($p>0,05$) hal tersebut dapat diartikan bahwa hipotesa (H_a_3) Bahwa ada hubungan usia terhadap mual muntah *delayed* pada kelompok intervensi dan kontrol ditolak. Dengan demikian dapat disimpulkan bahwa intervensi akaupresur pada mual muntah *delayed* tidak secara signifikan dipengaruhi oleh faktor usia dari responden dengan tingkat korelasi yang sangat lemah.
5. Hasil *Pvalue* pada variabel jenis kelamin dengan mual muntah *delayed* menunjukkan hasil 0,73 ($p>0,05$) hal tersebut dapat diartikan bahwa hipotesa (H_a_4) Bahwa ada hubungan jenis kelamin terhadap mual muntah *delayed* pada kelompok intervensi dan kontrol ditolak. Dengan demikian

dapat disimpulkan bahwa intervensi akaupresur pada mual muntah *delayed* tidak secara signifikan dipengaruhi oleh faktor jenis kelamin dari responden dengan tingkat korelasi sangat lemah.

6. Hasil *Pvalue* pada variabel jenis kemoterapi dengan mual muntah *delayed* menunjukkan hasil 0,005 ($p<0,05$) hal tersebut dapat diartikan bahwa hipotesa (H_a_5) Bahwa ada hubungan jenis kemoterapi terhadap mual muntah *delayed* pada kelompok intervensi dan kontrol diterima. Dengan demikian dapat disimpulkan bahwa intervensi akaupresur pada mual muntah *delayed* secara signifikan dapat dipengaruhi oleh faktor jenis kemoterapi dari responden dengan tingkat korelasi sangat kuat.
7. Hasil *Pvalue* pada variabel kombinasi kemoterapi dengan mual muntah *delayed* menunjukkan hasil 0,007 ($p<0,05$) hal tersebut dapat diartikan bahwa hipotesa (H_a_6) Bahwa ada hubungan kombinasi kemoterapi terhadap mual muntah *delayed* pada kelompok intervensi dan kontrol diterima. Dengan demikian dapat disimpulkan bahwa intervensi akaupresur pada mual muntah *delayed* secara signifikan dapat dipengaruhi oleh faktor jenis kemoterapi dari responden dengan tingkat korelasi sedang.
8. Hasil *Pvalue* pada variabel riwayat *motion sickness* dengan mual muntah *delayed* menunjukkan hasil 0,959 ($p>0,05$) hal tersebut dapat diartikan bahwa hipotesa (H_a_7) Bahwa ada hubungan riwayat *motion sickness* terhadap mual muntah *delayed* pada kelompok intervensi dan kontrol ditolak. Dengan demikian dapat disimpulkan bahwa intervensi akaupresur pada mual muntah *delayed* secara signifikan tidak dipengaruhi oleh faktor riwayat *motion sickness* dari responden, dengan tingkat korelasi sangat lemah.

6.2 Saran

1. Bagi pasien

Penelitian ini diharapkan dapat digunakan sebagai bahan masukan sebagai dasar pertimbangan terapi alternatif bagi pasien kemoterapi yang mengalami mual muntah *delayed*.

2. Bagi ilmu keperawatan

Hasil penelitian ini dapat dijadikan pengembangan standar operasional prosedur dalam penanganan mual muntah *delayed* pasien kemoterapi.

3. Bagi peneliti

Pengembangan penelitian lanjut diperlukan untuk memperdalam penelitian ini seperti faktor-faktor yang tidak dapat dikendalikan dalam penelitian ini dan faktor-faktor yang mempengaruhi tinndakan akupresur sendiri.

DAFTAR PUSTAKA

- Adam, M., (2011) *Tesis: Pengaruh akrupresur terhadap kekuatan otot dan rentang gerak ekstremitas atas pada pasien stroke pasca rawat inap di RSUP Fatmawati Jakarta*, Pasca Sarjana F IK UI
- American Cancer Society (2016). *Cancer Facts & Figures 2016*. Atlanta: American Cancer Society.
- Anthony, L. C. A.E., Zhang, L., Lam, M. C. A.E. H., & Kai, A.E. S. (2009). The efficacy of acupoint stimulation for the management of therapy-related adverse events in patients with breast cancer : a systematic review, 255–267. <http://doi.org/10.1007/s10549-009-0533-8>
- Al-Magid, A. S. A., Aldeen, S. M. A. A., Mohammed, S. S., & Elatef, Z. A. (2012). Nursing care standards for cancer patients undergoing chemotherapy. *Journal of American Science*, 8(5), 108–120.
- Alligood, M. (2014). *Nursing Theoriest and Their Work*. St. Louis: Elsevier.
- American Cancer Society. (2014). *Cancer Treatment & Survivorship - Facts & Figures*. Atlanta: American Cancer Society.
- American Cancer Society. (2015). *Cancer Facts and Figures 2015*. Atlanta: American Cancer Society. <http://doi.org/10.3322/caac.21254>
- Aslam, M. S., Naveed, S., Ahmed, A., Abbas, Z., Gull, I., & Athar, M. A. (2014). Side Effects of Chemotherapy in Cancer Patients and Evaluation of Patients Opinion about Starvation Based Differential Chemotherapy, (July), 817–822.
- Baker, P. (2016). The Pathophysiology of Chemotherapy-Induced Nausea and Vomiting, (November 2005). <http://doi.org/10.1097/00001610-200511000-00003>
- Barefoot, J., & Blecher, C. S. (2009). Oral Chemotherapy, (June).
- Cheung, Li & Wong (2001). The Mechanism of acupuncture therapy and clinical case studies. New York: Taylor & Francis.
- Dibble, S., Cooper, B. A., Cohen, M., Dibble, S. L., Luce, J., Cooper, B. A., ... Rugo, H. (2017). Acupressure for Chemotherapy-Induced Nausea and Vomiting : A Randomized Clinical Trial, (February). <http://doi.org/10.1188/07.ONF.xxx-xxx>
- Dorak, M. T., & Karpuzoglu, E. (2012). Gender differences in cancer susceptibility : an inadequately addressed issue, 3(November), 1–11.

<http://doi.org/10.3389/fgene.2012.00268>

- Dupler, Douglas. (2005). Gale Encyclopedia of Alternative Medicine Acupressure <http://www.encyclopedia.com/topic/Acupressure.aspx>
- Edgren, G., Liang, L., Adami, H.O., and Chang, E. T. (2012). Enigmatic sex disparities in cancer incidence. *Eur. J. Epidemiol.* 27, 187–196.
- El, F., & Abusaad, S. (2016). Effect of point 6 acupressure on chemotherapy associated nausea and vomiting among adolescents with cancer, 6(4), 122–129. <http://doi.org/10.5430/jnep.v6n4p122>
- Lemone. (2014). *Medical-surgical nursing: critical thinking for person-centred care*. 2nd ed. 610.73. National Library of Australia
- Black, J., & Hawks, J. (2014). *Medical Surgical Nursing*. Singapura: Elsevier (Singapura) Pte Ltd.
- Canadian Association of Nurses in Oncology. (2011). *Toolkit: Standards and Competencies for Cancer Chemotherapy Nursing Practice*. Ontario: Canadian Association of Nurses in Oncology.
- Canadian Center Society. (2015). *Cancer Cell Development*. Retrieved September 04, 2015, from Canadian Cancer Society: www.cancer.ca
- Dockham. (2014). *Treatments & Side Effect*. CANCER SUPPORT COMMUNITY. www.cancersupportcommunity.org | 888.793.9355
- Ehlken, B., Bernard, R., Berger, K., Peschel, C., Eichler, H., Deuson, R., ... Lordick, F. (2004). Original article The impact of delayed chemotherapy-induced nausea and vomiting on patients , health resource utilization and costs in German cancer centers, 526–536. <http://doi.org/10.1093/annonc/mdh110>
- Findlay, M., Minckwitz, G. Von, & Wardley, A. (2008). Effective oral chemotherapy for breast cancer : pill ars of strength, (November 2007), 212–222. <http://doi.org/10.1093/annonc/mdm285>
- Genç, A., Can, G., & Aydiner, A. (2013). The efficiency of the acupressure in prevention of the chemotherapy-induced nausea and vomiting, 253–261. <http://doi.org/10.1007/s00520-012-1519-3>
- Golding, J. F. (2017). Motion sickness susceptibility Motion sickness susceptibility, (July). <http://doi.org/10.1016/j.autneu.2006.07.019>

- Gouveia, F., Oliveira, C., & Losa, N. (2016). Acupuncture in the Management of Intraoperative Nausea and Vomiting. *Journal of Acupuncture and Meridian Studies*, 9(6), 325–329. <http://doi.org/10.1016/j.jams.2016.09.005>
- Griffiths, P., Richardson, A., & Blackwell, R. (2009). Nurse Sensitive Outcomes & Indicators in Ambulatory Chemotherapy. *National Nursing Research Unit King's College London*, (November).
- Grunberg, S. (2012). Patient-Centered Management of Chemotherapy-Induced Nausea and Vomiting. *Journal of the Moffitt Cancer Center*, 19(2), 10–15.
- Harmer, V. (2011). *Breast Cancer Nursing Care and Management* (2nd ed.). Oxford: Blackwell Publishing.
- Hawkins, R., & Grunberg, S. (2009). Chemotherapy-Induced Nausea and Vomiting. *Clinical Journal of Oncology Nursing*, 13(1), 54–64.
- Hidayat, A. A. A. (2011). *Metode Penelitian Kebidanan & Teknik Analisis Data*. Jakarta: Salemba Medika.
- Higgins, S., Montgomery, G., & Bovbjerg, D. (2007). Distress before chemotherapy predicts delayed but not acute nausea. *Supportive Care in Cancer*, 15(2), 171-177.
- Hinkle, J. L., & Cheever, K. H. (2014). *Textbook of Medical Surgical Nursing Brunner and Suddarth's* (ed13). China: Liipincott Williams & Wilkins.
- Hussein, A. (2009). Acupressure for chemotherapy-induced nausea and vomiting in breast cancer patients: a multicenter , randomised , double- blind , placebo-controlled clinical trial Zaida Mohamad Othman Said Dr . Aidah Abu ELsoud Alkaissi.
- Hussein, H. a, & Sadek, B. R. A. (2013). Acupressure for Chemotherapy Induced Vomiting Among School Age Children. *World Journal of Medical Sciences*, 8(4), 373–381. <http://doi.org/10.5829/idosi.wjms.2013.8.4.7581>
- Isa A. (2009). *Cara Lebih Mudah dan Praktis Menemukan Titik Acupoint*. Jakarta
- Ignatavicius, D. D., & Workman, M. L. (2010). *Medical surgical nursing: Patient centered collaborative care*. St. Louis: Elsevier Saunder.
- Jakobsen, J. N., & Herrstedt, J. (2009). Prevention of chemotherapy-induced nausea and vomiting in elderly cancer patients, 71, 214–221. <http://doi.org/10.1016/j.critrevonc.2008.12.006>
- Jin, H., Seo, H., Lee, H., Son, H., Mi, S., & Lee, S. (2015). Effect of self-acupressure for symptom management : A systematic review.

Complementary Therapies in Medicine, 23(1), 68–78.
<http://doi.org/10.1016/j.ctim.2014.11.002>

Kelly, B., & Ward, K. (2013). Nausea and Vomiting in Palliative Care. *Nursing Times*, 109(39), 16–19. http://doi.org/10.1300/J088v08n01_03

Kementrian Kesehatan RI. (2015). *InfoDATIN - Pusat Data dan Informasi Kesehatan RI*. Jakarta: Kementrian Kesehatan RI.

Kim, T. H. (2015). The Reliability and Validity of the Rhodes Index of Nausea , Vomiting and Retching in Postoperative Nausea and Vomiting, (December). <http://doi.org/10.4097/kjae.2007.52.6.S59>

Kimberly, B., & Debera, J. (2004). Acupuncture and Acupressure for the Management of Chemotherapy-Induced Nausea and Vomiting.

Kresno, S. B. (2011). *Ilmu dasar onkologi* (2 ed ed.). Jakarta: Badan Penerbit FK-UI.

Lewis, S. L., Dirksen, S. R., Heitkemper, M. M., Bucher, L., & Camera, I. (2011). *Medical-surgical nursing: Assessment and management of clinical problems* (8th ed.). St. Louis: Elsevier Mosby.

Lilenbaum, R., Villaflor, V. M., Langer, C., Byrne, K. O., Brien, M. O., Ross, H. J., ... Oldham, F. B. (2009). Single-Agent Versus Combination Chemotherapy in Patients with Advanced Non-small Cell Lung Cancer and a Performance Status of 2. *JTO Acquisition*, 4(7), 869–874. <http://doi.org/10.1097/JTO.0b013e3181a9a020>

Lippincott, W. (2011). *Medical-surgical nursing made incredibly easy!*. — 3rd ed. Philadelphia. Baltimore. New York. London

Lohr, L. (2008). Chemotherapy-induced nausea and vomiting. *Cancer J*, 14(2), 85- 93.

Lou, Y. (2011). Self-Management of Cancer Treatment-Related Fatigue , Nausea , Vomiting and Oral Mucositis in Chinese Cancer Patients. *Thesis*, (April).

Marek, C. (2003). Antiemetic therapy in patients receiving cancer chemotherapy. *Oncology Nursing Forum*, 30(2), 259.

Maria, A., Moysés, B., Durant, L. C., & Almeida, A. M. De. (2016). Integrative review of factors related to the nursing diagnosis nausea during antineoplastic chemotherapy 1. <http://doi.org/10.1590/1518-8345.1176.2812>

Matti Aapro. (2015). Pathophysiology of Nausea and Vomiting Pathophysiology

of Nausea and Vomiting.

- Molassiotis, A., Helin, A. M., Dabbour, R., Hummerston, S., & Nhs, H. (2007). The effects of P6 acupressure in the prophylaxis of chemotherapy-related nausea and vomiting in breast cancer patients &. <http://doi.org/10.1016/j.ctim.2006.07.005>
- Morrow, J. B., Loughner, J., Arseneau, J. C., Asbury, R. F., Bakemeier, R. F., Boros, L., ... Rosenthal, S. N. (1985). The Effect of, 2766–2770.
- National Comprehensive Cancer Network (2008). Journal of the National Comprehensive Cancer Network Volume 6 Supplement 3.
- Newton, S., & al, e. (2009). *Mosby's Oncology Nursing Advisor: A Comprehensive Guide to Clinical Practice*. St. Louis: Mosby.
- Nitta, H., Baba, H., Sugimori, K., Furuse, J., & Ohkawa, S. (2016). Chemotherapy-induced Nausea and Vomiting in Patients with Hepatobiliary and Pancreatic Cancer Treated with Chemotherapy: A Prospective Observational Study by the CINV Study Group of Japan, 1936, 1929–1935.
- Noonan, K. A. (2005). THE IMPACT OF CHEMOTHERAPY-INDUCED NAUSEA AND VOMITING, 3(1), 16–21.
- Oncology Nursing Society. (2011). PUTTING EVIDENCE INTO PRACTICE :Chemotherapy-Included Nausea and Vomiting Resource
- Perdue, C. (2005). Understanding nausea and Vomiting in Advanced Cancer. *Nursing Times*, 101(4), 32–35.
- Polit, D. F., & Beck, C. T. (2012). *Nursing Research: Generating and Assessing Evidence for Nursing Practice* (9th ed.). Philadelphia: Wolters Kluwer - Lippincott Williams & Wilkins.
- Siegel, R., Naishadham, D., and Jemal, A. (2012).Cancer statistics,2012.CA Cancer J. Clin. 62, 10–29.
- Riskesdas. (2007). *Laporan Nasional Riset Kesehatan Dasar* .Badan Penelitian dan Pengembangan Kesehatan Departemen Kesehatan, Republik Indonesia Desember 2008
- Saputra K., Sudirman S., 2009. Akupunktur Untuk Nyeri. Jakarta: CV. Sagung Seto.
- Shin, B. C. & Lee, M. S. (2007). Effects of aromatherapy acupressure on hemiplegic shoulder pain and motor power in stroke patients: A pilot study. The Journal Of Alternative And Complementary Medicine,

- Souhami, R. L., Stephen, G., Rudd, R. M., Elvira, M. R. De, James, L. E., Nicole, H., ... Peter, G. (1997). Five-Day Oral Etoposide Treatment for Advanced Small-Cell Lung Cancer: Randomized Comparison With Intravenous Chemotherapy Harper * From February 1993 through Decem-, 89(8), 577–580.
- Stephens, F. O., & Aigner, K. R. (2009). *Basic of Oncology. Journal of Chemical Information and Modeling* (Vol. 53). New York: Springer. <http://doi.org/10.1017/CBO9781107415324.004>
- Sukanta, Putu Oka (2008). Pijat akupresur untuk kesehatan. Depok : Penebar Plus
- Suh, E. E. (2012). The Effects of P6 A cupressure and Nurse-Provided Counseling on Chemotherapy-Induced Nausea and Vomiting in Patients With Breast Cancer, 1–10.
- Suzanne, L., & Bruce, A. (2007). Acupressure for Chemotherapy-Induced Nausea and Vomiting : A Randomized Clinical Trial.
- Taspinar, A., & Sirin, A. (2010). Effect of Acupressure on Chemotherapy-induced Nausea and Vomiting in Gynecology Cancer Patient in Turkey. *European Journal of Oncology Nursing*, 14.
- Thompson, N. (2012). Optimizing Treatment Outcomes in Patients at Risk for Chemotherapy- Chemotherapy - induced Nausea and Vomiting, 1–12.
- Tortora, G. J., & Derrickson, B. (2009). *Pinciples of anatomy and physiology* (12th ed.). Hoboken: John Willey & Son, Inc.
- Trionggo, Ira. (2013). *Panduan sehat sembuhkan penyakit dengan pijat dan herbal. Indoliterasi* : Yogyakarta
- Ukraintseva, S. V, & Yashin, A. I. (2003). Individual Aging and Cancer Risk : How Are They Related ? <http://doi.org/10.4054/DemRes.2003.9.8>
- Wahidin, M., Noviani, R., Hermawan, S., Andriani, V., Ardian, A., & Djarir, H. (2012). Population-Based Cancer Registration in Indonesia, 13, 1709–1710.
- Wei-Xiang Qi., Li-na Tang., Ai-na He (2012). Comparison between doublet agents versus single agent in metastatic breast cancer patients previously treated with an anthracycline and a taxane: A meta-analysis of four phase III trials. Department of Oncology. Shanghai Jiao Tong University, No. 600
- Wood, J. M., & Chapman, K. (2011). Tools for Assessing Nausea, Vomiting, and Retching, 34(1). <http://doi.org/10.1097/NCC.0b013e3181e2cd79>