

BAB 7 **KESIMPULAN DAN SARAN**

7.1 Kesimpulan

Berdasarkan hasil penelitian didapatkan rata-rata kecemasan pada pasien kanker sebelum pemberian integrasi terapi *deep breathing* dan aromaterapi mawar sebesar $35,38 \pm 6,490$, rata-rata kecemasan setelah dilakukan pemberian integrasi terapi *deep breathing* dan aromaterapi mawar adalah $30,00 \pm 6,542$ sehingga dari hasil tersebut adanya pengaruh yang signifikan dari pemberian integrasi terapi *deep breathing* dan aromaterapi mawar terhadap kecemasan pada pasien kanker dengan nilai $0,000 (\alpha < 0,05)$. Dari hasil uji hipotesis didapatkan adanya pengaruh yang signifikan dari pemberian integrasi terapi *deep breathing* dan aromaterapi mawar terhadap kecemasan pada pasien kanker.

7.2 Saran

7.2.1 Bagi Pasien Kanker dengan Kecemasan

Pasien kanker dengan kecemasan diharapkan mampu melakukan integrasi terapi *deep breathing* dan aromaterapi mawar dengan rutin agar mampu mengurangi kecemasan secara optimal.

7.2.2 Bagi Puskesmas

Bagi pihak puskesmas diharapkan mampu mengajak serta mengajarkan terapi ini kepada komunitas pasien kanker di wilayah kerja dari masing-masing puskesmas untuk mengurangi kecemasan pada pasien kanker.

7.2.3 Bagi Keperawatan Paliatif

Integrasi terapi *deep breathing* dan aromaterapi mawar dapat dijadikan terapi modalitas dalam mengurangi kecemasan pada pasien kanker.

7.2.4 Bagi Penelitian Selanjutnya

Diharapkan dapat menjadi referensi untuk melakukan penelitian berkaitan dengan pasien kanker maupun intervensinya. Penelitian selanjutnya disarankan dapat memilih metode pengumpulan data yang lebih efisien seperti mengumpulkan calon responden menjadi satu agar mempermudah dalam pengumpulan data dan mendapatkan hasil yang lebih akurat. Selain itu juga, peneliti selanjutnya dapat melakukan penelitian yang berkaitan dengan kualitas hidup dari pasien kanker stadium lanjut dengan memberikan terapi yang sama maupun yang lainnya.

DAFTAR PUSTAKA

1. Nurpeni, Made R, Parpti NK, Kusmarjathi NK. Hubungan Dukungan Keluarga dengan Tingkat Kecemasan pada Pasien Kanker Payudara (CA Mammap) di Ruang Angkosa III RSUP Sanglah Denpasar. *Jurnal Ilmu Keperawatan FK Udud*. 2014 Sep;2:1–9.
2. Agustina L, Yuliani B, Bahrul I. Studi Fenomenologi: Psikologis Pasien Kanker yang Menjalani Kemoterapi. *Jurnal Keperawatan Suaka Insan* [J]. 2020 Jun;5:52–66.
3. Sun H, Yang Y, Zhang J, Liu T, Wang H, Garg S, et al. Fear of cancer recurrence, anxiety and depressive symptoms in adolescent and young adult cancer patients. *Neuropsychiatr Dis Treat*. 2019;15:857–65.
4. Baqutayan S. The effect of Anxiety on Breast Cancer Patients. *Indian J Psychol Med*. 2012 Apr;34(2):119–23.
5. International Agency for Research on Cancer [Internet]. 2024 [cited 2024 Apr 3]. p. 1–2 Mortality, Both Sexes, in 2022. Available from: <https://gco.iarc.fr/today/en/dataviz/tables?mode=population&types=1>
6. Global Cancer Observatory [Internet]. 2024 [cited 2024 Apr 3]. p. 1 Population pyramid, total number, in 2022, Indonesia. Available from: https://gco.iarc.fr/tomorrow/en/dataviz/population_pyramid?populations=360&single_unit=50000&types=1
7. Newsroom J. Dinas Kominfo Provinsi Jawa Timur. 2020 [cited 2024 Feb 15]. p. 1–1 Serviks dan Payudara, Dominasi Kanker di Jawa Timur. Available from: <https://kominfo.jatimprov.go.id/read/umum/serviks-dan-payudara-dominasi-kanker-di-jawa-timur->
8. Goerling U, Hinz A, Koch-Gromus U, Hufeld JM, Esser P, Mehnert-Theuerkauf A. Prevalence and severity of anxiety in cancer patients: results from a multi-center cohort study in Germany. *J Cancer Res Clin Oncol*. 2023 Aug 1;149(9):6371–9.
9. Marlisa, Aulia N. Gambaran Tingkat Kecemasan Pada Pada Pasien Kanker Payudara Dalam Menjalani Kemoterapi Di Ruang Kemoterapi RSUP H. Adam Malik Medan. 2019;1:1–9.
10. Abu-Odah H, Molassiotis A, Zhao IY, Su JJ, Allsop MJ. Psychological distress and associated factors among Palestinian advanced cancer patients: A cross-sectional study. *Front Psychol*. 2022 Dec 2;13.
11. Annisa D, Ifdil. Konsep Kecemasan (Anxiety) pada Lanjut Usia (Lansia). *Journal Konselor* [Internet]. 2016;5(2). Available from: <http://ejournal.unp.ac.id/index.php/konselor>

12. Rahmah A. Kecemasan Pasien dan Dukungan Keluarga Pada Penderita Kanker Serviks. *Jurnal Ilmiah Psikologi*. 2016;4(4):535–41.
13. Yu Y. The Clgary Guide To Understandin Sisease. 2013 [cited 2024 Jun 25]. Anxiety Disorders: Pathogenesis of anxiety. Available from: <https://calgaryguide.ucalgary.ca/pathogenesis-of-anxiety-disorders/pathogenesis-of-anxiety-disorders-2/>
14. National Cancer Institute [Internet]. 2023 [cited 2024 Feb 15]. Adjustment to Cancer: Anxiety and Distress (PDQ)- Patient Version. Available from: <https://www.cancer.gov/about-cancer/coping/feelings/anxiety-distress-pdq>
15. Faisal AM, Rosadi D, Budiwinata W, Ridwan MA, Qadrinnisa R, Yolanda WZ, et al. Peer Group Anxiety Disorder. 1st ed. Rahmadhan C, editor. Sidoarjo: Uwais Inspirasi Indonesia; 2023. 26–27 p.
16. Ahsan Z, Agustina W, Maria L. The Relationship Between Anxiety And Sleep Quality in Chemotherapy patients. *Journal Of Community Service* [Internet]. 2022 Mar;3(5):391–9. Available from: <http://devotion>.
17. Solomon AS. Patient Compliance: A Key Element in the Success or Failure of Treatment. *Medical Research Archives*. 2023 Jun;6:1–7.
18. Papadopoulou A, Govina O, Tsatsou I, Mantzorou M, Mantoudi A, Tsiou C, et al. Quality of life, distress, anxiety and depression of ambulatory cancer patients receiving chemotherapy. *Med Pharm Rep*. 2022;95(4):418–29.
19. Yudono D, Wardaningsih S, Kurniasari N. Pengaruh terapi psikoreligius (dzikir) dan progresive muscle relaxation dengan pendekatan caring terhadap kecemasan pada pasien tindakan kemoterapi. *Health Sciences and Pharmacy Journal*. 2019 Nov 4;3(2):34.
20. Ricky Z, Rachmawaty R, Syam Y. Efektifitas Progressive Muscle Relaxation Terhadap Kecemasan Pada Pasien Kanker Payudara Yang Menjalani Kemoterapi. *Jurnal Terpadu Ilmu Kesehatan* [Internet]. 2018 Nov [cited 2024 Feb 12];7(2):101–221. Available from: <http://jurnal.poltekkes-solo.ac.id/index.php/Int/article/view/482>
21. Stanczyk M. Music therapy in supportive cancer care. *Reports of Practical Oncology and Radiotherapy*. 2011;16(5):170–2.
22. Hayama Y, Inoue T. The effects of deep breathing on “tension-anxiety” and fatigue in cancer patients undergoing adjuvant chemotherapy. *Complement Ther Clin Pract*. 2012 May;18(2):94–8.
23. Sepdianto T, Nurachmah E, Gayatri D. Penurunan Tekanan Darah dan Kecemasan Melalui Slow Deep Breathing pada Pasien Hipertensi Primer. *Jurnal Keperawatan Indonesia*. 2010 Mar;13(1):37–41.

24. Banushi B, Brendle M, Ragnhildstveit A, Murphy T, Moore C, Egberts J, et al. Breathwork Interventions for Adults with Clinically Diagnosed Anxiety Disorders: A Scoping Review. *Brain Sci.* 2023 Feb 1;13(2).
25. Egeli D, Kartal M, Akcakaya A. Aromatherapy in Cancer Patients Receiving Palliative Care. *Bezmialem Science.* 2023 Apr 26;11(2):229–41.
26. Lestari Y, Yanti P, Wigata Y. Aromaterapi Mawar Berpengaruh Terhadap Tekanan Darah Pada Penderita Hipertensi Primer. *Jurnal Ilmiah Permas: Jurnal Ilmiah Stikes Kendal [Internet].* 2022 Apr;12(2):347–54. Available from: <http://journal.stikeskendal.ac.id/index.php/PSKM>
27. Cui J, Li M, Wei Y, Li H, He X, Yang Q, et al. Inhalation Aromatherapy via Brain-Targeted Nasal Delivery: Natural Volatiles or Essential Oils on Mood Disorders. Vol. 13, *Frontiers in Pharmacology.* Frontiers Media S.A.; 2022. p. 1–15.
28. Purwanti AM ,Dwi, Hartoyo M, Wulandari M. Efektifitas Teknik Relaksasi Nafas Dalam Dan Posisi Tripod Terhadap Laju Pernafasan Pasien PPOK Di RS H. Soewondo Kendal. *Jurnal Ilmu Keperawatan dan Kebidanan (JIKK).* 2016;5.
29. Susilawati, Kartaatmadja U, Suherman R. Pengaruh Teknik Relaksasi Nafas Dalam Terhadap Intensitas Nyeri Pasien. *Media Informasi [Internet].* 2023;19(1):13–9. Available from: <https://ejurnal2.poltekkestasikmalaya.ac.id/index.php/bmi>
30. Hamarno R, Diah M. Deep Breathing Exercise (DBE) dan Tingkat Intensitas Nyeri pada Pasien Post Operasi Laparotomi. *Jurnal Keperawatan Terapan.* 2017;3(1):31–41.
31. Aritonang YA. The Application Of Deep Breathing Relaxation System Towards The Blood Pressure Decreased Of The Hypertension Patients. *Jurnal Keperawatan Padjadjaran .* 2023;5(1):17–22.
32. Ke MH, Hsieh KT, Hsieh WY. Effects of Aromatherapy on the Physical and Mental Health and Pressure of the Middle-Aged and Elderly in the Community. *Applied Sciences (Switzerland).* 2022 May 1;12(10).
33. Butar S, Gamayana Y, Yemina L. The Effect of Deep Breathing Relaxation on Changes of Blood Pressure on Hypertention Patients. *Jurnal Keperawatan komprehensif .* 2022 Oct;8(4):437–576.
34. Mutawarudin. Teknik Deep Breathing Untuk Mengatasi Kecemasan. *Islamix Guidance and Counseling Journal [Internet].* 2022 Dec;02(02):32–40. Available from: <http://jurnal.iuqibogor.ac.id>
35. Ma X, Yue Z, Gong Z, Zhang H, Duan N, Shi Y, et al. The effect of diaphragmatic breathing on attention, negative affect and stress in healthy adults. *Front Psychol.* 2017 Jun 6;8(JUN).

36. Russo M, Santarelli D, O'Rourke D. The physiological effects of slow breathing in the healthy human. *Breathe*. 2017 Dec 1;13(4):298–309.
37. Magnon V, Dutheil F, Vallet G. Benefits from one session of deep and slow breathing on vagal tone and anxiety in young and older adults. *Sci Rep*. 2021 Dec 1;11(1).
38. Veranita A, Widani N, Susilo W. Efek Terapi Musik & Deep Breathing Exercise Terhadap Penurunan Nyeri, Frekuensi Nadi, Frekuensi Pernapasan Pada Pasien Kanker Paru. *Jurnal Mitra Kesehatan*. 2018 Dec 30;1(1):24–8.
39. Suryono A, Nugraha FS, Akbar F, Armiyati Y. Combination of Deep Breathing Relaxation and Murottal Reducing Post Chemotherapy Nausea Intensity in Nasopharyngeal Cancer (NPC) Patients. *Media Keperawatan Indonesia*. 2020 Feb 29;3(1):24.
40. Cumayunaro A. Relaxation Breathing Exercise Terhadap Fatigue Pada Pasien Kanker Payudara Yang Menjalani Kemoterapi. *UNES Journal of Scientech Research* [Internet]. 2018 Jun;3(1). Available from: <http://lppm.ojs.unespadang.ac.id/index.php/UJSR>
41. Herdiana Y, Ta'adi, Djami M. Buku Panduan Intervensi Murottal Al-Quran Dan Deep Breathing Exercise Terhadap Perbaikan Vital Signs Dan Kecemasan Pasien Congestive Heart Failure. 1st ed. Semarang: Politeknik Kesehatan Kemenkes Semarang; 2020. 1–28 p.
42. Khomsah I, Wulan S. Penerapan Relaksasi Nafas Dalam Terhadap Penurunan Tekanan Darah Pada Pasien Hipertensi. *Jurnal Keperawatan Bunda Delima*. 2023 Feb;5(1):17–22.
43. Sari ADK, Subandi. Pelatihan Teknik Relaksasi untuk Menurunkan Kecemasan pada Primary Caregiver Penderita Kanker Payudara. *Gadjah Mada Journal Of Professional Psychology*. 2015 Dec;1(3):173–92.
44. Maleki A, Ravanbakhsh M, Saadat M, Bargard SM, Latifi SM. Effect of breathing exercises on respiratory indices and anxiety level in individuals with generalized anxiety disorder: a randomized double-blind clinical trial. *The Journal of physical Therapy Science*. 2022;4:247–51.
45. Nusantoro AP, Listyaningsih KD. Pengaruh Slow Deep Breathing Terhadap Tingkat Kecemasan dan Kadar Glukosa Darah Pada Penderita Diabetes Melitus. *Journal Maternal*. 2018 Oct;11(4):231–7.
46. Birdee G, Nelson K, Wallston K, Nian H, Diedrich A, Paranjape S, et al. Slow breathing for reducing stress: The effect of extending exhale. *Complement Ther Med*. 2023 May 1;73.
47. Genisa G, Yuliza E, Gunardi S. The Effect of Classical Music Therapy and Deep Breathing Relaxation Therapy on Lowering Blood Pressure in Hypertension Sufferers in RW 001 Samba Danum Village, Katingan Tengah

- District, Central Kalimantan Year 2022. Journal of Complementary Nursing. 2023 Jun 22;2(2):172–9.
48. Sarawati G, Hadi Endaryanto A, Fariz A, Halimah N. Pengaruh Deep Breathing Exercise Terhadap Nyeri Haid (Dismenore) Di Perumahan Wahyu Taman Sarirogo Desa Sumput Kecamatan Sidoarjo. Profesional Health Journal [Internet]. 2023;4(2):158–65. Available from: <https://www.ojsstikesbanyuwangi.com/index.php/PHJ>
 49. Hedao S, Chandurkar P. A Review On Aromatherapy. World J Pharm Res [Internet]. 2019;8(7):635–51. Available from: www.wjpr.net
 50. Mariza A, Kalsum A. Pemberian Aromaterapi Bunga Mawar Terhadap Penurunan Tekanan Darah Pada Wanita Lanjut Usia Di UPTD Panti Sosial Lanjut Usia Tresna Werdha Natar Lampung Selatan. Jurnal Kesehatan. 2017;VIII(1):30–5.
 51. Swari D, Santika I, Aman I. Antifugal Activities Of Ethanol Extract Of Rosemary Leaf (Rosemarinus Officinalis L) Against Candida Albicans. Journal of Pharmaceutical Science and Application. 2020 Jun 18;2(1):28.
 52. Kamalifard M, Khalili F, Namadian M, Herizchi S, Ranjbar Y. Comparison of the effect of lavender and bitter orange on depression in menopausal women: A triple-blind randomized controlled trial. International Journal of Women's Health and Reproduction Sciences. 2017;5(3):224–30.
 53. Hamzeh S, Safari-Faramani R, Khatony A. Effects of Aromatherapy with Lavender and Peppermint Essential Oils on the Sleep Quality of Cancer Patients: A Randomized Controlled Trial. Evidence-based Complementary and Alternative Medicine. 2020;2020.
 54. Kuete V. Medicinal Spices and Vegetables from Africa: Therapeutic Potential against Metabolic, Inflammatory, Infectious and Systemic Diseases. In: Kuete V, editor. Medicinal Spice And Vegetables From Africa. 1st ed. London: Haley, Mica; 2017. p. 1–692.
 55. Desnita E, Yesika R. Pemanfaatan Minyak Kenanga (Cananga Odorata) untuk Pencegahan Depresi Lansia pada Masa Covid-19 di Panti Jompo Sumatera Barat. Health and Medical Journal [Internet]. 2023 [cited 2023 Dec 30];2:2685–772. Available from: <https://jurnal.unbrah.ac.id/index.php/heme/issue/view/49>
 56. Rofi'ah S, Widatiningsih S, Sukini T. Efektivitas Aromaterapi Lemon untuk Mengatasi Emesis Gravidarum. Jurnal kebidanan. 2019;9–16.
 57. Sundara A, Larasati B, Meli D, Wibowo D, Utami F, Maulina S, et al. Aromaterapi sebagai terapi stres dan gangguan kecemasan. Jurnal Buana Farma. 2022;2(2):78–84.

58. Widoyono, Aryani A, Indriyati, Sutrisno, Suwarni A, Putra AF, et al. Buku Ajar Terapi Komplementer Keperawatan [Internet]. 1st ed. Penerbit Lembaga Chakra Brahmanda Lentera, editor. Kediri: Penerbit Lembaga Chakra Brahmana Lentera; 2022 [cited 2024 Feb 16]. 29–35 p. Available from:
https://www.google.co.id/books/edition/Buku_Ajar_Terapi_Komplementer_Keperawata/U6SnEAAAQBAJ?hl=id&gbpv=1&dq=aromaterapi+menggunakan+diffuser&pg=PA34&printsec=frontcover
59. Farrar A, Farrar F. Clinical Aromatherapy. *Nursing Clinics of North America*. 2020 Dec 1;55(4):489–504.
60. Nuriya, Alvian N, Taufik A. Aromaterapi Sebagai Terapi Komplementer untuk Mengatasi Nyeri, Depresi, Mual dan Muntah pada Pasien Kanker: A Literature Review. *Jurnal of Bionursing*. 2021;3(1):1–11.
61. Saputra ARM, Ernawati, Fauzan S. Pengaruh Pemberian Aroma Terapi Bunga Mawar Terhadap Penurunan Tekanan Darah pada Lanjut Usia Hipertensi di Desa Sungai Bundung Laut Kabupaten Mempawah 2015. Universitas Tanjungpura Pontianak. 2015;1–11.
62. Kholidah N, Marisa ED, Sumarni. Pengaruh Pemberian Aromaterapi Mawar Terhadap Penurunan Kecemasan pada Pasien Pre Operasi Bedah Mayor di RSUD Waled Kabupaten Cirebon. *Jurnal Kesehatan Mahardika* [Internet]. 2019 Jan;6(1):19–26. Available from: www.jurnal.stikesmahardika.ac.id
63. Widayanti ED, Agustina R, Sagita YD, Ifayanti H. Wellness and Healthy Magazine Pengaruh Terapi Dzikir dan Aromaterapi Mawar dengan Nyeri Persalinan Kala I di Wilayah Kerja UPTD Puskesmas Rawat Inap Mampu Poned Suka Jaya Kabupaten Tulang Bawang Barat. 2024 Feb;6(1):189–203. Available from: <https://wellness.journalpress.id/wellness>
64. Arianti SA, Mentari. Pengaruh Terapi Pijat dan Aromaterapi Mawar Terhadap Penurunan Nyeri Menstruasi pada Remaja Putri. *Jurnal Keperawatan Aisyiyah*. 2020 Dec;7(2):61–8.
65. Annisa HS, Huda N, Erwin. Efektifitas Aroma Terapi Essensial Oil Rose Dalam Menurunkan Skala Nyeri Pada Pasien Kanker Stadium II. *JOM*. 2015 Feb;2(1):682–90.
66. Barati F, Nasiri A, Akbari N, Sharifzadeh G. The effect of aromatherapy on anxiety in patients. *Nephrourol Mon*. 2016 Sep 1;8(5):1–7.
67. Cahyanto E. Asuhan Kebidanan Komplementer Berbasis Bukti [Internet]. 1st ed. AL Qalam Team, editor. Jimbaran: Al Qalam Team; 2020 [cited 2024 Feb 12]. 1–152 p. Available from: https://www.google.co.id/books/edition/Asuhan_Kebidanan_Komplementer_Berbasis_B/7Zz-

- DwAAQBAJ?hl=id&gbpv=1&dq=aromaterapi+menggunakan+diffuser&pg=PA46&printsec=frontcover
68. Pamungkas A, Samsara A. Mengenal kecemasan & serangan panik [Internet]. 1st ed. Pamungkas AJ, Samsara A, editors. US Depertement Of Helath & Human Services National Institute of Mental Health; 2018. 1–40 p. Available from: <https://www.mind.org.uk/media/1892482>
 69. Yusuf A, Fitryasari R, Nihayati E. Buku Ajar Keperawatan Kesehatan Jiwa. 1st ed. Ganiajri Faqihani, editor. Jakarta: Salemba Medika; 2015. 85–88 p.
 70. Ikhile D, Ford E, Glass D, Gremesty G, van Marwijk H. A systematic review of risk factors associated with depression and anxiety in cancer patients. PLoS One. 2024 Mar 1;19(3 March).
 71. Freud S. An Outline of Psychoanalysis. 1st ed. 2003. 3–235 p.
 72. NCI S. 1. 2020 [cited 2024 Jul 9]. Helping Cancer Survivors Cope with Cancer-Related Anxiety and Distress. Available from: <https://www.cancer.gov/news-events/cancer-currents-blog/2020/cancer-survivors-managing-anxiety-distress>
 73. Götze H, Friedrich M, Taubenheim S, Dietz A, Lordick F, Mehnert A. Depression and anxiety in long-term survivors 5 and 10 years after cancer diagnosis. Supportive Care in Cancer. 2020 Jan 1;28(1):211–20.
 74. Tangkudung J. Mental Training, Aspek-Aspek psikologi dalam olahraga. 1st ed. Kurniawan Febi, editor. Vol. 4. Bekasi: Cakrawala cendekia; 2017. 1–113 p.
 75. Soodan S, Arya A. Understanding the Pathophysiology and Management of the Anxiety Disorders. Internationa; Journal Of Pharmacy & Pharmaceutical Research [Internet]. 2015 Oct;4(3):251–78. Available from: www.ijppr.humanjournals.comwww.ijppr.humanjournals.com
 76. Zung W. A Rating Instrument For Anxiety Disorders. Psychosomatics. 1971 Nov;12(6):371–9.
 77. Dunstan DA, Scott N. Norms for Zung's Self-rating Anxiety Scale. BMC Psychiatry. 2020 Feb 28;20(1).
 78. Tim Cancer Helps. Stop Kanker “Kanker buka lagi vonis mati” [Internet]. Indah Y, editor. Jakarta Selatan: AgroMedia Pustaka; 2010 [cited 2024 Feb 16]. 4–5 p. Available from: https://www.google.co.id/books/edition/Stop_Kanker/8ErRCgAAQBAJ?hl=id&gbpv=1&dq=kanker%3B2015&printsec=frontcover
 79. National Cancer Institute [Internet]. 2021 [cited 2024 Feb 12]. What is cancer. Available from: <https://www.cancer.gov/about-cancer/understanding/what-is->

- cancer#:~:text=Cancer%20is%20a%20disease%20in,up%20of%20trillions%20of%20cells.
80. Kurniasari N, Harti BL, Ariesti N, Dian A, Wardhani S, Nugroho S. Gizi & Kanker [Internet]. 1st ed. Malang: Universitas Brawijaya Pess (UB Press); 2017 [cited 2024 Feb 16]. 1–185 p. Available from: https://www.google.co.id/books/edition/Buku_Ajar_Gizi_dan_Kanker/_P5UDwAAQBAJ?hl=id&gbpv=1&dq=kanker&printsec=frontcover
 81. Hervidea R. Efektifitas Rumput Laut terhadap Zat Karsinogenik Penyebab Kanker [Internet]. 1st ed. 2022 [cited 2024 Feb 16]. 1–47 p. Available from: https://www.google.co.id/books/edition/Efektivitas_Rumput_Laut_terhadap_p_Zat_Kar/pdxwEAAAQBAJ?hl=id&gbpv=1&dq=Penyebab+kanker&pg=PA2&printsec=frontcover
 82. Ningrum P, Rahayu S. Determinan Kejadian Kanker Payudara pada Wanita Usia Subur (15-49 Tahun). Indonesia Journal of Public Health and Nutrition [Internet]. 2021;1(3):362–70. Available from: <http://journal.unnes.ac.id/sju/index.php/IJPHN>
 83. Wulandari L. Terapi Personal Sebagai Upaya Terobosan dalam pengobatan kanker paru [Internet]. Abadi Anas, editor. Surabaya: Airlangga University Press; 2022 [cited 2024 Feb 16]. Available from: https://www.google.co.id/books/edition/Terapi_Personal_sebagai_Upaya_Terobosan/CpVyEAAAQBAJ?hl=id&gbpv=1&dq=Terapi+Personal+Sebagai+Upaya+Terobosan+dalam+pengobatan+kanker+paru&pg=PA24&printsec=frontcover
 84. Nurani H, Nurkhasanah, Irham M. Kanker dan Karsinogenesis [Internet]. 1st ed. Ratih Purwandari, editor. Yogyakarta: UAD PRESS; 2023 [cited 2024 Feb 16]. 1–118 p. Available from: https://www.google.co.id/books/edition/KANKER_DAN_KARSINOGENESIS/2qHsEAAAQBAJ?hl=id&gbpv=1&dq=Kanker+dan+Karsinogenesis&pg=PA9&printsec=frontcover
 85. Rahmah A. Kecemasan Pasien dan Dukungan Keluarga Pada Penderita Kanker Serviks. Psikoborneo. 2016;4(4):535–41.
 86. Antari KW, Jayanti MAD, Sanjiwani ASA. Hubungan Resiliensi Dengan Tingkat Kecemasan Pasien Kanker Payudara yang Menjalani Kemoterapi. JKJ): Persatuan Perawat Nasional Indonesia. 2023 May;11(2):293–304.
 87. Izza L, Rahayu T, Wuriningsih AY. Hubungan Tingkat Kecemasan Terhadap Kualitas Hidup Penderita Kanker Serviks yang Menjalani Kemoterapi di RSUP Dr. Kariadi. Jurnal Ilmiah Sultan Agung. 2023 Mar;421–31.
 88. Nair M, Peate I. Dasar-Dasar Patofisiologis Terapan Panduan Penting Untuk Mahasiswa Keperawatan dan Kesehatan [Internet]. 2nd ed. Damayanti Restu

- dan Indah Nur Yanita, editor. Jakarta: Bumi Medika; 2015 [cited 2024 Feb 16]. Available from: https://www.google.co.id/books/edition/Dasar_Dasar_Patofisiologi_Terapana_Edisi/k2FIEAAAQBAJ?hl=id&gbpv=1&dq=Patofisiologis+kanker&pg=PA48&printsec=frontcover
89. Cahyawati P. Imunoterapi pada Kanker Payudara. *Jurnal Lingkungan & Pembangunan*. 2018;2(1).
 90. Syapitri H, Amila, Aritonang J. Metodologi Penelitian Kesehatan [Internet]. 1st ed. Nadana HA, editor. Malang: Ahlimedia Press; 2021. 1–222 p. Available from: www.ahlimediapress.com
 91. Anggreni D. Buku Ajar Metodologi Penelitian Kesehatan. 1st ed. Kartiningrum ED, editor. Mojokerto: STIKes Majapahit Mojokerto; 2022. 1–105 p.
 92. Nursalam. Konsep dan Penerapan Metodologi Penelitian Ilmu Keperawatan [Internet]. 2nd ed. Tim Editor Salemba Medika, editor. Jakarta: Salemba Medika; 2008 [cited 2024 Feb 16]. 80–100 p. Available from: https://www.google.co.id/books/edition/Konsep_Metode_Keperawatan_ed_2/62jmbdySq2cC?hl=id&gbpv=1&dq=Nursalam,+Metodologi+penelitian&pg=PA75&printsec=frontcover
 93. Rahmadan H, Puspita T, Budhiaji P, Sulhan MH. Hubungan Tingkat Kecemasan Dengan Kualitas Tidur pada Lansia Penderita Hipertensi. *Jurnal Keperawatan Aisyiyah*. 2019 Dec;6(2):1–12.
 94. Adiputra I, Trisnadewi N, Oktaviani N, Munthe A, Hulu V, Budiastutik I, et al. Metodologi Penelitian Kesehatan. 1st ed. Watrianthos R, Samarmata J, editors. Denpasar: Yayasan Kita Menulis; 2021. 1–326 p.
 95. Setyowati A, Chung MH, Yusuf A. Development of self-report assessment tool for anxiety among adolescents: Indonesian version of the zung self-rating anxiety scale. *J Public Health Afr*. 2019 Oct 31;10(S1).
 96. Nasution TH, Ropi H, Sitorus RE. Faktor-Faktor yang Berhubungan dengan Manajemen Diri pada Pasien yang Menjalani Hemodialisis di Ruang Hemodialisis RSUP Dr. Hasan Sadikin, Bandung. *Jurnal Ilmu Keperawatan* [Internet]. 2013;1(2). Available from: www.jik.ub.ac.id
 97. Simning A, Conwell Y, Mohile SG, Van Wijngaarden E. The moderating effect of age on the 12-month prevalence of anxiety and depressive disorders in adults with a lifetime history of cancer. *American Journal of Geriatric Psychiatry*. 2014 Dec 1;22(12):1399–409.
 98. Burhan Hadi L, Lect Rasha Abudlazeez Abed A, Lect Noor Sabry Hameed Al-Irayfawee A, Ali Faris Abdul Hussein I, Thualfakar Hayder Hasan I.

- Assessing anxiety level among cancer patients. 2021;25:4134–44. Available from: <http://annalsofrscb.ro>
99. Tan CJ, Yip SYC, Chan RJ, Chew L, Chan A. Investigating how cancer-related symptoms influence work outcomes among cancer survivors: a systematic review. Vol. 16, *Journal of Cancer Survivorship*. Springer; 2022. p. 1065–78.
 100. Groeneveld IF, de Boer AGEM, Frings-Dresen MHW. Physical exercise and return to work: Cancer survivors' experiences. *Journal of Cancer Survivorship*. 2013 Jun 1;7(2):237–46.
 101. Podvorica E, Kraja J, Rrustemi N, Dugolli X, Hyseni E. Anxiety and Depression in Patients with Breast Cancer: A Cross-sectional Study. *Open Access Maced J Med Sci*. 2022 Jan 1;10(G):138–43.
 102. Wahyuni SE, Sitepu YEB, Daulay W. Stress, Anxiety and Depression in Chemotherapy's Patient with Breast Cancer. The 2nd Syiah Kuala International Conference on Medicine and Health Sciences. 2020 Jul 1;241–8.
 103. Ng CG, Mohamed S, Kaur K, Sulaiman AH, Zainal NZ, Taib NA. Perceived distress and its association with depression and anxiety in breast cancer patients. *PLoS One*. 2017 Mar 1;12(3).
 104. van der Velden NCA, Meijers MC, Han PKJ, van Laarhoven HWM, Smets EMA, Henselmans I. The Effect of Prognostic Communication on Patient Outcomes in Palliative Cancer Care: a Systematic Review. Vol. 21, *Current Treatment Options in Oncology*. Springer; 2020.
 105. Pitman A, Suleiman S, Hyde N, Hodgkiss A. Depression and anxiety in patients with cancer. *BMJ (Online)*. 2018;361.
 106. Breidenbach C, Heidkamp P, Hiltrop K, Pfaff H, Enders A, Ernstmann N, et al. Prevalence and determinants of anxiety and depression in long-term breast cancer survivors. *BMC Psychiatry*. 2022 Dec 1;22(1).
 107. Naser AY, Hameed AN, Mustafa N, Alwafi H, Dahmash EZ, Alyami HS, et al. Depression and Anxiety in Patients With Cancer: A Cross-Sectional Study. *Front Psychol*. 2021 Apr 15;12.
 108. Wang S, Hua Y, Zhang Y, Guo D, Tian L. Trajectories and influencing factors of social anxiety in postoperative breast cancer patients. *BMC Psychiatry*. 2024 Dec 1;24(1).
 109. Hafsa L. Gambaran Tingkat Kecemasan Pada Pasien Kanker Yang Menjalani Kemoterapi Di RSUD Dr. M. Yunus Bengkulu. *Jurnal Vokasi Keperawatan (JVK)*. 2022 Jun 30;5(1):21–8.

110. Septiantoro BP, Perwitasari DA, Faridah IN, Pradita I. Hipertensi pada Pasien Kanker Kolorektal Metastatik dengan Terapi Bevacizumab di RSUD Dr. Kariadi. *J Clin Med.* 2020 Nov;7(2):388–92.
111. Alwhaibi M, AlRuthia Y, Sales I. The Impact of Depression and Anxiety on Adult Cancer Patients' Health-Related Quality of Life. *J Clin Med.* 2023 Mar 1;12(6).
112. Dinkel A, Kremsreiter K, Marten-Mittag B, Lahmann C. Comorbidity of fear of progression and anxiety disorders in cancer patients. *Gen Hosp Psychiatry.* 2014 Nov 1;36(6):613–9.
113. Carlson LE, Zelinski EL, Toivonen KI, Sundstrom L, Jobin CT, Damaskos P, et al. Prevalence of psychosocial distress in cancer patients across 55 North American cancer centers. *J Psychosoc Oncol.* 2019 Jan 2;37(1):5–21.
114. Weisberg YJ, De Young CG, Hirsh JB. Gender differences in personality across the ten aspects of the Big Five. *Front Psychol.* 2011;2(AUG).
115. Simanullang T. Pengaruh Tipe Kepribadian The Big Five Model Personality Terhadap Kinerja Aparatur Sipil Negara (Kajian Studi Literatur Manajemen Keuangan). *Jurnal Manajemen Pendidikan dan Ilmu Sosial* [Internet]. 2021;2(2):747–53. Available from: <https://doi.org/10.38035/jmpis.v2i2>
116. Amin Z, Canli T, Epperson CN. Effect of estrogen-serotonin interactions on mood and cognition. *Behav Cogn Neurosci Rev.* 2015 Mar;4(1):43–58.
117. Yan X, Chen X, Li M, Zhang P. Prevalence and risk factors of anxiety and depression in Chinese patients with lung cancer: A cross-sectional study. *Cancer Manag Res.* 2019;11:4347–56.
118. Natosba J, Rhamania EN, Lestari SA. Studi Deskriptif: Pengaruh Progressive Muscle Relaxation dan Hypnotherapy Terhadap Nyeri dan Kecemasan Pasien Kanker Serviks. *Proceeding Seminar Nasional Keperawatan.* 2019 Oct;5(1):153–61.
119. Wang Z, Li Y, An J, Dong W, Li H, Ma H, et al. Effects of Restorative Environment and Presence on Anxiety and Depression Based on Interactive Virtual Reality Scenarios. *Int J Environ Res Public Health.* 2022 Jul 1;19(13).
120. Perciavalle V, Blandini M, Fecarotta P, Buscemi A, Di Corrado D, Bertolo L, et al. The role of deep breathing on stress. *Neurological Sciences.* 2017 Mar 1;38(3):451–8.
121. Milandani E, Rakhmawati N. Pengaruh Relaksasi Otot Progresif dan Napas Dalam Terhadap Tingkat Kecemasan Pasien Kanker Serviks Pada Masa Pandemi Covid-19 Di RSUD Dr. Moewardi. Doctoral Dissertation, Universitas Kusuma Husada Surakarta. 2023;1–10.

122. Jodaki K, abdi K, Mousavi MS, Mokhtari R, Asayesh H, Vandali V, et al. Effect of rosa damascene aromatherapy on anxiety and sleep quality in cardiac patients: A randomized controlled trial. *Complement Ther Clin Pract.* 2021 Feb 1;42.
123. Muthoharoh A, Anggraini R, Santy WH. Spiritual Deep Breathing Exercise Is Effective In Reducing Anxiety And Stabilizing Oxygen Saturation In COVID-19 Patients. *Interest : Jurnal Ilmu Kesehatan.* 2022 Jan 3;166–76.
124. Malikul Mulki M, Sunarjo L. Effectiveness of Deep Breath Relaxation Techniques and Music Therapy on Reducing Anxiety Level among Pre-operative Patients. *International Journal of Nursing and Health Services (IJNHS)* [Internet]. 2020;4(1):59–65. Available from: <http://ijnhs.net/index.php/ijnhs/homehttp://doi.org.10.35654/ijnhs.v4i1.389>
125. Bentley TGK, D'Andrea-Penna G, Rakic M, Arce N, LaFaille M, Berman R, et al. Breathing Practices for Stress and Anxiety Reduction: Conceptual Framework of Implementation Guidelines Based on a Systematic Review of the Published Literature. *Brain Sci.* 2023 Dec 1;13(12).
126. Firza Kumala T, Lindayani L, Hasan A, Ropei O, N W, Badrujamalludin A, et al. Family Support for HIV Patients Undergoing Antiretroviral Therapy in Subang City. *KnE Life Sciences.* 2022 Feb 7;372–9.
127. Ojedokun IM, Jacob US, Pillay J. Family therapy as predictor of wellbeing and recovery among patients with schizophrenia. *Int J Health Sci (Qassim).* 2022 Nov 6;5795–808.
128. Tavoian D, Craighead DH. Deep breathing exercise at work: Potential applications and impact. *Front Physiol.* 2023 Jan 12;14.
129. Ali A, Mirza F, Ahmed S. Effectiveness of Aromatherapy on Physical Vitals of Exercising Females. *International Journal of Endorsing Health Science Research* [Internet]. 2017;5. Available from: www.aeirc-edu.com
130. Afrianti N, Rahmiati C. Faktor-Faktor Yang Mempengaruhi Kepatuhan Masyarakat Terhadap Protokol Kesehatan Covid-19. *Jurnal Ilmiah STIKES Kendal.* 2021 Jan;11(1):113–24.
131. Rukmi R, Perdani W, Marissa D, Purnama W, Afifah N, Sari AI, et al. Hubungan Stimulasi Ibu dengan Perkembangan Anak Usia 0-3 Tahun di Kelurahan Penengahan Raya Kecamatan Kedaton Bandar Lampung. Vol. 22. 2021.
132. Bian W, Zhang X, Dong Y. Autonomic Nervous System Response Patterns of Test-Anxious Individuals to Evaluative Stress. *Front Psychol.* 2022 Feb 28;13.

133. Hayama Y, Inoue T. The effects of deep breathing on “tension-anxiety” and fatigue in cancer patients undergoing adjuvant chemotherapy. *Complement Ther Clin Pract.* 2012 May;18(2):94–8.
134. Nikita, Rani R, Kumar R. Body image distress among cancer patients: needs for psychosocial intervention development. *Supportive Care in Cancer.* 2022 Jul 1;30(7):6035–43.