

DAFTAR PUSTAKA

- Aaronson, N. K., Ahmedzai, S., Bergman, B., Bullinger, M., Cull, A., Duez, N. J., Takeda, F. (1993). The european organization for research and treatment of cancer QLQ -C30: a quality-of-life instrument for use in international clinical trials in oncology. *Journal of the National Cancer Institute*, 85(5), 365–376.
- ACS. (2015). *Cancer Facts and Figures*. Georgia: American Cancer Society.
- Afiyanti, Y., & Pratiwi, A. (2016). *Seksualitas dan Kesehatan Reproduksi Perempuan Promosi, Permasalahan dan Penanganannya dalam Pelayanan Kesehatan dan Keperawatan* (1st ed.). Jakarta: Rajawali Pres.
- Agustina, H., Setyowati, A., Herdyana, E., & Komariyah, S. (2017). *Buku Kesehatan Reproduksi Pengenalan Penyakit Menular dan Pencegahan*. Malang: Intimedia.
- Ai, Z.-P., Gao, X.-L., Li, J.-F., Zhou, J.-R., & Wu, Y.-F. (2017). Changing trends and influencing factors of the quality of life of chemotherapy patients with breast cancer. *Chinese Nursing Research*, 4(1), 18–23.
- Aizer, A. A., Chen, M., Mccarthy, E. P., Mendu, M. L., Koo, S., Wilhite, T. J., Paul, L. (2013). Marital status and survival in patients with cancer. *Journal of Clinical and Diagnostic Research*, 31, 3869–3876.
- Allendorf, K., & Ghimire, D. J. (2013). Determinants of marital quality in an arranged marriage society. *Social Science Research*, 42(1), 59–70.
- Azis, H. (1994). *Manajemen Upaya Kesehatan Usia Lanjut di Puskesmas*. Bandung: Akper Dr. Otten.
- Azwar, S. (2015). *Validitas dan Realibilitas* (4th ed.). Yogyakarta: Pustaka Pelajar.
- Baqutayan, S. M. S. (2015). Stress and coping mechanisms: a historical overview. *Mediterranean Journal of Social Sciences*, 6(2), 479–488. Retrieved from <http://www.mcses.org/journal/index.php/mjss/article/view/5927>
- Bayram, Z., Durna, Z., & Akin, S. (2014). Quality of life during chemotherapy and satisfaction with nursing care in Turkish breast cancer patients. *European Journal of Cancer Care*, 23(5), 675–684.
- BCC. (2014). *Trastuzumab Monograph*. Toronto. Retrieved from http://www.bccancer.bc.ca/drug-database-site/drug-index/trastuzumab_monograph_1oct2014.pdf
- Bergkvist, K., & Wengström, Y. (2006). Symptom experiences during chemotherapy treatment - With focus on nausea and vomiting. *European Journal of Oncology Nursing*, 10(1), 21–29.
- Bourque, F., Karama, S., Looper, K., & Cohen, V. (2009). Acute Tamoxifen-Induced Depression and Its Prevention With Venlafaxine. *Psychosomatics*, 50(2), 162–165.

- BPS NTT. (2017). Persentase Angkatan Kerja Menurut Pendidikan Tertinggi yang Ditamatkan. Retrieved May 11, 2018, from <https://ntt.bps.go.id/dynamictable/2017/08/23/404/persentase-penduduk-berumur-10-tahun-ke-atas-menurut-kabupaten-kota-dan-pendidikan-tertinggi-yang-ditamatkan-di-provinsi-nusa-tenggara-timur-2015-2017.html>
- Breda, A. D. Van. (2001). *Resilience Theory*. Pretoria: Gezina Psychological Institute.
- Brown, M. R. D., Ramirez, J. D., & Farquhar-Smith, P. (2014). Pain in cancer survivors. *British Journal of Pain*, 8(4), 139–153.
- Brunault, P., Champagne, A. L., Guguet, G., Suzanne, I., Senon, J. L., Body, G., Camus, V. (2016). Major depressive disorder, personality disorder, and coping strategies are independent risk factors for lower quality of life in non metastatic breast cancer patients. *Psycho Oncology*, 25, 513–520.
- Butler, L. D., Koopman, C., Cordova, M. J., Garlan, R. W., DiMiceli, S., & Spiegel, D. (2013). Psychological distress and pain significantly increase before death in metastatic breast cancer patient. *Psychosomatic Medicine*, 65, 416–426. <https://doi.org/10.1097/01.PSY.0000041472.77692.C6>
- Byar, K. L., Berger, A. M., Bakken, S. L., & Cetak, M. A. (2006). Impact of adjuvant breast cancer chemotherapy on fatigue, other symptoms, and quality of life. *Oncology Nursing Forum*, 33(1), 18–26.
- Carr, D., Freedman, V. A., Cornman, J. C., & Consulting, J. C. C. (2014). Happy marriage, happy life? Marital quality and subjective well-being in later life. *Journal of Marriage and Family*, 76, 930–948.
- Carver, C. S. (1997). You want to measure coping but your protocol's too Long - consider. *International Journal of Behavioral Medicine*, 4(1), 92–100.
- Carver, C. S., Scheier, M. F., & Weintraub, J. K. (1989). Assessing coping strategies: a theoretically based approach. *Journal of Personality and Social Psychology*, 56(2), 267–283.
- Celentano, D. D., & Szklo, M. (2018). *Gordis Epidemiology* (6th ed.). New Jersey: Elsevier.
- Cella, D. F. (1994). Quality of life: concepts and definition. *Journal of Pain and Symptom Management*, 9(3), 186–92.
- Chen, Q., Li, S., Wang, M., Liu, L., & Chen, G. (2018). Health-related quality of life among women breast cancer patients in Eastern China. *BioMed Research International*, 2018, 1–12.
- Costanzo, E. S., Ryff, C. D., & Singer, B. H. (2009). Psychosocial Adjustment Among Cancer Survivors: Findings From a National Survey of Health and Well-Being. *Health Psychology*, 28(2), 147–156. <https://doi.org/10.1037/a0013221>
- Coyne, J. C., Aldwin, C., & Lazarus, R. S. (1981). Depression and coping in stressful episodes. *Journal of Abnormal Psychology*, 90(5), 439–447.

- Djuminten, S., Wilopo, S. A., & Setiaji, K. (2011). Uji reliabilitas instrumen kualitas hidup pada penderita kanker payudara. *Berita Kedokteran Masyarakat*, 27(3), 138–143.
- Edward, P., & Marie, L. (2008). *Health Psychology Biopsychosocial Interactions* (2nd ed.). Australia.
- Epplein, M., Zheng, Y., Zheng, W., Chen, Z., Gu, K., Penson, D., Shu, X. O. (2011). Quality of life after breast cancer diagnosis and survival. *Journal of Clinical Oncology*, 29(4), 406–412.
- Evans, G. W., & Kim, P. (2013). Childhood poverty, chronic stress, self-regulation, and coping. *Child Development Perspectives*, 7(1), 43–48.
- Fayers, P. M., Aaronson, N. K., Bjordal, K., Groenvold, M., Curran, D., & Bottomley, A. (2001). *EORTC QLQ-C30 Scoring Manual. EORTC QLQ-C30 Scoring Manual The EORTC QLQ-C30 Introduction* (3rd ed., Vol. 30). Brussel: European Organization for Research and Treatment of Cancer. <https://doi.org/D/2001/6136/001>
- Fenn, K. M., Evans, S. B., McCorkle, R., DiGiovanna, M. P., Puzstai, L., Sanft, T., Chagpar, A. B. (2014). Impact of financial burden of cancer on survivors' quality of life. *Journal of Oncology Practice*, 10(5), 332–338.
- Ferrell, B. R., Dow, K. H., & Grant, M. (1995). Measurement of the quality of life in cancer survivors. *Qual Life Res*, 4(6), 523–531.
- Firmana, D. (2017). *Keperawatan Kemoterapi*. Jakarta: Salemba Medika.
- Folkman, S. (1984). Personal control and stress and coping processes: A theoretical analysis. *Journal of Personality and Social Psychology*, 46(4), 839–852.
- Frankenhaeuser, M., Lundberg, U., & Chesney, M. (2013). *Women, Work, and Health*. New Jersey: Springer.
- Garg, R., Angus, E., & Fincher, S. (2012). Capecitabine-induced severe hypertriglyceridaemia and diabetes. *Diabetic Medicine*, 26(12), 1308–1309.
- Gaston-Johansson, F., Fall-Dickson, J. M., Nanda, J. P., Sarenmalm, E. K., Browall, M., & Goldstein, N. (2013). Long-term effect of the self-management comprehensive coping strategy program on quality of life in patients. *Psycho-Oncology*, 22(3), 530–539.
- Geriani, D., Savithry, K. S. B., Shivakumar, S., & Kanchan, T. (2015). Burden of care on caregivers of schizophrenia patients: a correlation to personality and coping. *Journal of Clinical and Diagnostic Research*, 9(3), VC01-VC04.
- Green, L. W. (1984). MODIFYING AND DEVELOPING HEALTH BEHAVIOR. In *Ann. Rev. Public Health* (p. 5:215-36). Houston, Texas.
- Hajian, sepideh, Mehrabi, E., Simbar, M., & Houshyari, M. (2017). Coping Strategies and Experiences in Women with a Primary Breast Cancer Diagnosis. *Doi.Org*, 18(1), 215–224. <https://doi.org/10.22034/APJCP.2017.18.1.215>

- Hendriani, W. (2018). *Resiliensi Psikologis*. Jakarta: Prenadamedia Group.
- Hewitt, M., Herdman, R., & Holland, J. (2004). *Meeting Psychosocial Needs of Women with Breast Cancer*. (M. Hewitt, R. Herdman, & J. Holland, Eds.). Washington: National Academy Press.
- Hilbe, J. M. (2009). Logistic Regression Models. In *Chapman and Hall/CRC*.
- Ho, S. S. M., So, W. K. W., Leung, D. Y. P., Lai, E. T. L., & Chan, C. W. H. (2013). Anxiety, depression and quality of life in Chinese women with breast cancer during and after treatment: a comparative evaluation. *European Journal of Oncology Nursing*, 17(6), 877–882.
- Hoffman, M. A., Lent, R. W., & Raque-Bogdan, T. L. (2013). A social cognitive perspective on coping with cancer: theory, research, and intervention. *Counseling Psychologist*, 41(2), 240–267.
- Hoyer, M., Johansson, B., Nordin, K., Bergkvist, L., Ahlgren, J., Lidin-Lindqvist, A., Lampic, C. (2011). Health-related quality of life among women with breast cancer a population-based study. *Acta Oncologica*, 50(7), 1015–1026.
- Huang, C., & Hsu, M. (2013). Social support as a moderator between depressive symptoms and quality of life outcomes of breast cancer survivors. *European Journal of Oncology Nursing*, 17(6), 767–774.
- Huang, H. Y., Tsai, W. C., Chou, W. Y., Hung, Y. C., Liu, L. C., Huang, K. F., Kung, P. T. (2017). Quality of life of breast and cervical cancer survivors. *BMC Women's Health*, 17(1), 1–12.
- Indotang, F. E. T. (2015). Hubungan antara keluarga dukungan keluarga dengan mekanisme koping pasien pad apsiien ca mammae. *The Sun*, 2(4).
- Jalali-Farahani, S., Amiri, P., Karimi, M., Vahedi-Notash, G., Amirshakari, G., & Azizi, F. (2018). Perceived social support and health-related quality of life (HRQoL) in Tehranian adults: Tehran lipid and glucose study. *Health and Quality of Life Outcomes*, 16(1), 1–9.
- Kahrazei, F., & Maleknia, N. (2015). The Relationship between Stress Coping Styles and Quality of Life among Patients with Breast Cancer. *Journal of Midwifery and Reproductive Health*, 3(4), 472–478. Retrieved from http://jmrh.mums.ac.ir/article_4809_66f3482c666f2406af2b296c97dd3cfe.pdf
- Kardinah (Ed). (2003). *Penatalaksanaan Kanker Payudara Terkini* (1st ed.). Jakarta: Pustaka Obor.
- Kemenkes RI. (2015). *Panduan Penatalaksanaan Kanker Payudara*. Jakarta: Komite Penanggulangan Kanker Nasional Kementerian Kesehatan Republik Indonesia.
- Kemenkes RI. (2018). *Riset Kesehatan Dasar*. Jakarta.
- Kent, E. E., Arora, N. K., Rowland, J. H., Bellizzi, K. M., Forsythe, L. P., Hamilton, A. S., Aziz, N. M. (2012). Health information needs and health-related quality of life in a diverse population of long-term cancer survivors. *Patient Education and Counseling*, 89(2), 345–352.

- Kleden, D. (2017). Belis dan harga seorang perempuan Sumba. *Studi Budaya Nusantara*, 1(1), 56–70.
- Kugbey, N., Weitz, A. M., & Asante, K. O. (2018). Mental adjustment to cancer and quality of life among women living with breast cancer in Ghana. *The International Journal of Psychiatry in Medicine*, 0(0), 1–14.
- Lee, T. S., Kilbreath, S. L., Refshauge, K. M., Pendlebury, S. C., Beith, J. M., & Lee, M. J. (2011). Quality of life of women treated with radiotherapy for breast cancer. *Supportive Care in Cancer*, 16(4), 399–405.
- Lev, E. L., Eller, L. S., Gejerman, G., Kolassa, J., Colella, J., Pezzino, J., ... Sawczuk, I. (2012). Quality of life of men treated for localized prostate cancer: Outcomes at 6 and 12 months. *Supportive Care in Cancer*, 17(5), 509–517.
- Li, L., Zhu, X., Yang, Y., He, J., Yi, J., Wang, Y., & Zhang, J. (2015). Cognitive emotion regulation: Characteristics and effect on quality of life in women with breast cancer. *Health and Quality of Life Outcomes*, 13(1). <https://doi.org/10.1186/s12955-015-0242-4>
- Link, L. B., Robbins, L., Mancuso, C. A., & Charlson, M. E. (2005). How do cancer patients choose their coping strategies? A qualitative study. *Patient Education and Counseling*, 58(1), 96–103. <https://doi.org/10.1016/j.pec.2004.07.007>
- Maryam, S. (2017). Strategi Coping : Teori Dan Sumberdayanya. *Jurnal Konseling Andi Matappa*, 1(2), 102.
- Mausbach, B. T., Schwab, R. B., & Irwin, S. A. (2015). Depression as A Predictor of Adherence to Adjuvant Endocrine Therapy (AET) in Women with Breast Cancer: A Systematic Review and Meta-Analysis. *Breast Cancer Research and Treatment*, 152(2), 239–246.
- Mawarpury, M. (2013). Coping Sebagai prediktor kesejahteraan psikologis: studi meta analisis. *Psycho Idea*, 1(July), 38–47.
- Meggetto, O., Maunsell, E., Chlebowski, R., Goss, P., Tu, D., & Richardson, H. (2017). Factors Associated with Early Discontinuation of Study Treatment in the Mammary Prevention 3 Breast Cancer Chemoprevention Trial. *Journal of Clinical Oncology*, 35(6), 629–635. <https://doi.org/10.1200/JCO.2016.68.8895>
- Nipp, R. D., Greer, J. A., El-jawahri, A., Moran, S. M., Traeger, L., Jacobs, J. M., Temel, J. S. (2018). Coping and prognostic awareness in patients with advanced cancer. *Journal of Clinical Oncology*, 35(22), 2551–2557.
- Nursalam. (2017). *Metodologi Penelitian Ilmu Keperawatan Pendekatan Praktis*. (P. P. Lestasi, Ed.) (Edisi 4). Jakarta: Salemba Medika.
- Nuryati, S., Mudigdo, A., & Murti, B. (2017). Path analysis on the influence of educational level, stages of cancer, social support, and coping strategy toward the quality of life of breast cancer patients in Dr. Moewardi Hospital, Surakarta. *Journal of Epidemiology and Public Health*, 2(3), 225–235.

- Olfah, Y., Mendri, N. K., & Badiah, A. (2013). *Kanker Payudara dan SADARI*. Yogyakarta: Nuha Medika.
- Orlowski, M. (2015). *Introduction to Health Behaviors: A Guide for Managers, Practitioners & Educators*. Boston: Cengage Learning.
- Pandey, M., Thomas, B. C., Sreerexha, P., Balakrishnan, S., K, R., Ratheesan, K., Mathew, B. . (2005). Quality of life determinants in women with breast cancer undergoing treatment with curative intent. *World Journal of Surgical Oncolog*, 3(63), 1–7.
- Park, B. W., & Hwang, S. Y. (2012). Unmet needs and their relationship with quality of life among women with recurrent breast cancer. *Journal of Breast Cancer*, 15(4), 454–461.
- Park, H., & Yoon, H. G. (2013). Menopausal symptoms, sexual function, depression, and quality of life in Korean patients with breast cancer receiving chemotherapy. *Supportive Care in Cancer*, 21(9), 2499–2507. <https://doi.org/10.1007/s00520-013-1815-6>
- Partney, L. ., & Watkins, M. . (2009). *Foundation of Clinical Research : Applications to Practice* (6th ed.). New Jersey: Pearson.
- Perwitasari, D. A., Atthobari, J., Dwiprahasto, I., Hakimi, M., Gelderblom, H., Putter, H., Kaptein, A. A. (2011). Translation and validation of EORTC QLQ-C30 into Indonesian version for cancer patients in Indonesia. *Japanese Journal of Clinical Oncology*, 41(4), 519–529.
- Polit, D. F., & Beck, C. T. (2014). *Essential of Nursing Research: Appraising Evidence for Nursing Practice* (8th ed.). Philadelphia: Lippincott Williams and Wilkins.
- Pratiwi, Y. A. A. (2016). *Seksualitas dan Kesehatan Reproduksi Perempuan Promosi, Permasalahan dan Penanganannya dalam Pelayanan Kesehatan dan Keperawatan* (1st ed.). Jakarta: Rajagrafindo Perkasa.
- Przezdziecki, A., Sherman, K. A., Baillie, A., Taylor, A., Foley, E., & Stalgis-Bilinski, K. (2013). My changed body: Breast cancer, body image, distress and self-compassion. *Psycho-Oncology*, 22(8), 1872–1879.
- Putra, S. T. (2015). *Buku Lengkap Kanker Payudara*. Yogyakarta.
- Ransom, S., Jacobsen, P. B., Schmidt, J. E., & Andrykowski, M. A. (2005). Relationship of problem-focused coping strategies to changes in quality of life following treatment for early stage breast cancer. *Journal of Pain and Symptom Management*, 30(3), 243–253.
- Rasmun. (2004). *Stress, Koping dan Adaptasi*. Jakarta: cv. Sagung Seto.
- Ray, C., Weir, W., Stewart, D., Miller, P., & Hyde, G. (1993). Ways of coping with chronic fatigue syndrome: development of an illness management questionnaire. *Social Science and Medicine*, 37(3), 385–391.

- Rick, A., Cammie, B., Burke, A., Gansler, T., Gapstur, S., Gaudet, M., Simpson, S. (2014). Breast Cancer Facts & Figures 2013-2014. *American Cancer Society*, 38. <https://doi.org/10.1007/978-1-4614-8063-1>
- Rodliyah, S., Purwasito, A., Sudardi, B., & Abdullah, W. (2017). Between economic burden and cultural dignity: Belis in the marital custom of the NTT society. *Indonesian Society and Culture*, 9(1), 92–103.
- Roesch, S. C., Adams, L., Hines, A., Palmores, A., Vyas, P., Tran, C., Vaughn, A. A. (2012). Coping with prostate cancer: A meta-analytic review. *Journal of Behavioral Medicine*, 28(3), 281–293. <https://doi.org/10.1007/s10865-005-4664-z>
- Rut Insri Ayurini; Damasia Linggarjati Novi Parmitasari. (2015). Kepatuhan Pengobatan Pada Pasien Kanker. *Psikodimensia*, 14(2), 83–95. Retrieved from <http://journal.unika.ac.id/index.php/psi/article/view/973>
- Sarafino, E. P. (2007). *Health Psychology Biopsychosocial Interactions. Journal of Experimental Psychology: General* (seventh ed, Vol. 136).
- Sastroasmoro, S., & Ismael, S. (2014). *Dasar-dasar Metodologi Penelitian Klinis* (5th ed.). Jakarta: Sagung Seto.
- Sephton, S. E., Lush, E., Dedert, E. A., Floyd, A. R., Rebholz, W. N., Dhabhar, F. S., Salmon, P. (2013). Diurnal cortisol rhythm as a predictor of lung cancer survival. *Brain Behavior and Immunity*, 30, S163–S170.
- Silva, P. A. B., Soares, S. M., Santos, J. F. G., & Silva, L. B. (2014). Cut-off point for WHOQOL-bref as a measure of quality of life of older adults. *Revista de Saude Publica*, 48(3), 390–397. <https://doi.org/10.1590/S0034-8910.2014048004912>
- Siwik, C., Hicks, A., Phillips, K., Rebholz, W. N., Zimmaro, L. A., Weissbecker, I., ... Cash, E. (2017). Impact of coping strategies on perceived stress, depression, and cortisol profiles among gynecologic cancer patients. *Journal of Health Psychology*.
- Stanley Lemeshow, David W Hosmer Jr, Janelle Klar, and S. K. L. (1990). Adequacy of Sample Size in Health Studies, 14(1), 335. <https://doi.org/10.1186/1472-6963-14-335>
- Stuart, G. W. (2006). *Buku Saku Keperawatan Jiwa* (5th ed.). Jakarta: Penerbit Buku Kedokteran EGC.
- Suyanto, B. (2018). Mendekonstruksi Belis Dan Nasib Perempuan Alor. Retrieved May 6, 2019, from <https://geotimes.co.id/kolom/sosial/mendekonstruksi-belis-dan-nasib-perempuan-alor/>
- Tamhane, A. R., Westfall, A. O., Burkholder, G. A., & Cutter, G. R. (2016). Prevalence odds ratio versus prevalence ratio: choice comes with consequences. *Statistics in Medicine*, 35(30), 5730–5735. <https://doi.org/10.1002/sim.7059>
- Testa, M. A., & Simonson, D. (1992). Assessment of quality-of-life outcomes. *Social Policy and Administration*, 26(3), 254–254.

- Timperi, W., Joshua, E. A., Isaac, R. H., David, R. M., Janise, K. L., Marilyn, K. H., & Lawrence. (2013). Employment status and quality of life in recently diagnosed breast cancer survivors. *Psycho-Oncology*, 22(6), 1411–1420.
- Trevino, K. M., Archambault, E., Schuster, J., Richardson, P., & Moye, J. (2012). Religious coping and psychological distress in military Veteran cancer survivors. *Journal of Religion and Health*, 51(1), 87–98.
- Tuncay, T. (2014). Coping and quality of life in Turkish women living with ovarian cancer. *Asian Pacific Journal of Cancer Prevention*, 15(9), 4005–4012.
- Vitaliano, P. P., Russo, J., Carr, J. E., Maiuro, R. D., Becker, J., & Maiui, R. D. (2010). Multivariate Behavioral The Ways of Coping Checklist: Revision and Psychometric Properties The Ways of Coping Checklist: Revision and Psychometric Properties, (March 2013), 37–41.
- Walshe, C., Roberts, D., Appleton, L., Calman, L., Large, P., Lloyd-williams, M., & Grande, G. (2017). Coping well with advanced cancer: a serial qualitative interview study with patients and family carers. *PLoS One*, 12(1), 1–25.
- Wang, X., Wang, S.-S., Peng, R.-J., Qin, T., Shi, Y.-X., Teng, X.-Y., ... Yuan, Z.-Y. (2012). Interaction of Coping Styles and Psychological Stress on Anxious and Depressive Symptoms in Chinese Breast Cancer Patients. *Asian Pacific Journal of Cancer Prevention*, 13(4), 1645–1649.
- WHO. (1995). The World Health Organization Quality of Life assessment (WHOQOL): position paper from the World Health Organization. *Social Science and Medicine Medicine*, 41(10), 1403–1409.
- Wonghongkul, T., Dechaprom, N., Phumivichuvate, L., & Losawatkul, S. (2006). Uncertainty appraisal coping and quality of life in breast cancer survivors. *Cancer Nursing*, 29(3), 250–257.
- Wyld, L., Markopoulous, C., Leidenius, M., & Senkus-Konfeka, E. (2017). *Breast Cancer Management for Surgeons*. Switzerland: Springer.
- Yan, B., Yang, L. M., Hao, L. P., Yang, C., Quan, L., Wang, L. H., Yuan, J. M. (2016). Determinants of quality of life for breast cancer patients in Shanghai China. *PLoS ONE*, 11(4), 1–14.
- Yodang. (2018). *Buku Ajar Keperawatan Paliatif*. Jakarta Timur: CV. Trans Info Media.
- Zou, Z., Hu, J., & McCoy, T. P. (2014). Quality of life among women with breast cancer living in Wuhan China. *International Journal of Nursing Sciences*, 1(1), 79–88.