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Ubar Kampung: indigenous knowledge and practice of medicinal, aromatic and cosmetic (MAC) plants used for the treatment of diabetes mellitus in the Tatar Sunda Region of West Java, Indonesia

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Bibliography

- Aadhan, K. & Anand, S.P. (2017). Survey of medicinal plants used for the treatment of diabetes by the Paliyar's Tribe in Sadhuragiri hills, Tamil Nadu, India. *International Journal of Herbal Medicine* 5 (3), 17-25.
- Abdurhman, N. (2010). *Ethnobotanical Study of Medicinal Plants Used by Local People in Ofla Wereda*. Southern Zone of Tigray Region Ethiopia, Addis Ababa Univ. MSc Thesis.
- Achan, J., Talisuna, A. O., Erhart, A., Yeka, A., Tibenderana, J. K., Baliraine, F. N., & D'Alessandro, U. (2011). Quinine, an old anti-malarial drug in a modern world: role in the treatment of malaria. *Malaria journal*, 10, 144. doi:10.1186/1475-2875-10-144
- Adams, V., S. Miller, S. Craig, S. Nyima, L. Droyoung, & M. Varner. (2005). The Challenge of Cross-Cultural Clinical Trials Research: Case Report from the Tibetan Autonomous Region, People's Republic of China. *Medical Anthropology Quarterly* 19 (3), 267–289
- Adedapo, A. D. A, Adeagbo, A. S., & Adedapo, A. A. (2013). Use of Botanical Therapies Among Patients in Secondary Health Facilities in Southwest Nigeria: Implications for Medical Education. *Recent Progress in Medicinal Plants* 35 (14), 209-310.
- Agresti, A. (2013). *Categorical Data Analysis* (3 ed.). Hoboken, New Jersey: John Wiley and Sons. ISBN 978-0-470-46363-5.
- Agung, A. A. G. (2005). *Bali Endangered Paradise? Tri Hita Karana and the Conservation of the Island's Biocultural Diversity*. PhD Thesis, Leiden University, Leiden.
- Agus, Y., Horiuchi, S., & Porter, S. (2012). Rural Indonesia women's traditional beliefs about antenatal care. *BMC Research Notes* 5 (1), 589. doi: 10.1186/1756-0500-5-589
- Ahmad, S., Goel, K., Maroof, K. A., Goel, P., Arif, M., Amir, M., & Abid, M. (2012). Psycho-Social Behaviour and Health Benefits of Islamic Fasting During the Month of Ramadan. *J Community Med Health Educ* 2, 178. doi: 10.4172/2161-0711.1000178
- Ahmed, S. M., Adams, A. M., Chowdhury, M., & Bhuiya, A. (2000). Gender, socioeconomic development and health-seeking behaviour in Bangladesh. *Social Science & Medicine* (1982), 51(3), 361–371. [https://doi.org/10.1016/s0277-9536\(99\)00461-x](https://doi.org/10.1016/s0277-9536(99)00461-x)
- Aiglspurger, J. (2014). *Yiatrosafia yia ton Anthropo: Indigenous Knowledge of Medicinal, Aromatic, and Cosmetic (MAC) Plants in the Utilisation of the Plural Medical System in Pирgos and Praitoria for Community Health Development in Rural Crete, Greece*. PhD Thesis, LEAD, Leiden University, Leiden.
- Al Shafaee, M., Al-Shukaili, S., Rizvi, S., Al Farsi, Y., Khan, M., & Ganguly, S. (2008). Knowledge and perceptions of diabetes in a semi-urban Omani population. *BMC Public Health* 8 (1). doi: 10.1186/1471-2458-8-249
- Al-Lawati, J. A. (2017). Diabetes Mellitus: A Local and Global Public Health Emergency!. *Oman Medical Journal* 32 (3), 177-179.
- Alberti, K. G. M. M., Zimmet, P., & Shaw, J. (2007). International Diabetes Federation: a consensus on type 2 diabetes prevention. *Diabetic Medicine* 24 (5), 451–463.
- Ali, R.B., Atangwho, I.J., Kuar, N., Mohamed. E.A., Mohamed, A.J., Asmawi M.Z., & Mahmud R. (2012). Hypoglycemic and anti-hyperglycaemic study of *Phaleria macrocarpa* fruits pericarp. *J. Med. Plants Res.* 6 (10), 1982-1990.
- Alzubaidi, H., Mc Narmara, K., Kilmartin, G. M., Kilmartin, J. F., & Marriott, J. (2015). The relationships between illness and treatment perceptions with adherence to diabetes self-care: A comparison between Arabic-speaking migrants and Caucasian English-speaking patients. *Diabetes Research and Clinical Practice* 110 (2), 208–217. doi: 10.1016/j.diabres.2015.08.006

- Amangbey, A. (2014). *A Comparative Study of Modern and Traditional Health Services in the Bolgatanga Municipal Area*. Thesis. Kwame Nkrumah University of Science and Technology Kumasi.
- Ambarettnani, P. (2012). *Paraji and Bidan in Rancaekek: Integrated Medicine for Advanced Partnerships among Traditional Birth Attendants and Community Midwives in the Sunda Region of West Java, Indonesia*. PhD Thesis, Leiden University, Leiden.
- American Association of Diabetes Educators. (2008). AADE7 Self-care Behaviours. *Diabetes Educ* 34, 445–449.
- American Diabetes Association. (2000). Clinical practice recommendations. *Diabetes care* 23 (Suppl. 1), S1-S116, 2000
- American Diabetes Association. (2004). Diagnosis And Classification Of Diabetes Mellitus. *Diabetes care* 27 (Supplement 1)
- Amrinanto, A., Hardinsyah, H., & Palupi, E. (2019). The eating culture of the Sundanese: Does the traditional salad (Lalapan) improve vegetable intake and blood β -carotene concentration?. *Future of Food: Journal on Food, Agriculture and Society* 7 (2).
- Andersen, R. M. (1995). Revisiting the behavioural model and access to medical care: Does it matter? *Journal of Health and Social Behaviour* 36 (1), 1-10.
- Anderson, R., Freedland, K., Clouse, R., & Lustman, P. (2001). The Prevalence of Comorbid Depression in Adults With Diabetes: A meta-analysis. *Diabetes care* 24 (6), 1069-1078. doi: 10.2337/diacare.24.6.1069
- Antlöv, H. (2003). Village government and rural development in Indonesia: The new democratic framework. *Bulletin of Indonesian Economic Studies* 39 (2), 193-214, DOI: 10.1080/00074910302013
- Asian Development Bank (ADB). (2012). *Addressing Climate Change and Migration in Asia and the Pacific*. [online] Manila: Asian Development Bank. Available online at: <https://www.adb.org/sites/default/files/publication/29662/addressing-climate-change-migration.pdf>.
- Ataman, J.E. & Idu, M. (2007). Histopathological effects of methanolic extract of *Momordica charantia* leaves on the liver of wistar rats. *Trends Med Res*, 2: 176-184
- Atran, S. (1991). Social Science Information / Sur Les Sciences Sociales. *Ethnoscience Today*. 30 (4): 595–662. doi:10.1177/053901891030004001
- Atwine, F. & Hjelm, K. (2016). Health care-seeking behaviour and management of type 2 diabetes: From Ugandan traditional healers' perspective. *International Journal of Africa Nursing Sciences* (5), p. 17–23, <http://dx.doi.org/10.1016/j.ijans.2016.09.002>
- Awoyemi, T. T., O. A. Obayelu, & H. I. Opaluwa. (2011). Effect of Distance on Utilisation of Health care Services in Rural Kogi State, Nigeria. *J Hum Ecol* 35 (1), 1-9
- Ayyanar, M. & Ignacimuthu, S. (2005). Traditional knowledge of Kani tribals in Kouthalai of Tirunelveli hills, Tamil Nadu, India. *Journal of Ethnopharmacology* 102 (2), 246-255.
- Azaizeh, H., Fulder, S., Khalil, K. & Said, O. (2003). Ethnomedicinal knowledge of local Arab practitioners in the Middle East Region. *Fitoterapia* 74, 98– 108.
- Azhar, M. I. M., Gunasekaran K., Kadivelu A., Gurtu S., Sadasivan S., & Kshatriya B. M. (2013). Self-medication: Awareness and Attitude among Malaysian Urban Population. *Int J Collab Res Intern Med Public Health* 5, 436-443.
- Babar T.S. & Hatcher J. (2004). Health-seeking behaviour and health service utilisation in Pakistan: Challenging the policy makers. *Journal of Public Health* 27 (1), 49–54.
- Baer, H.A. (1995). Medical Pluralism in the United States Review. *Medical Anthropology Quarterly*, 9 (4), pp. 493-502.
- Baer, H.A (2001). *Biomedicine and Alternative Healing System in America: Issues of Class, Race, Ethnicity, and Gender*. Madison: University of Wisconsin Press.

- Baer, H.A. (2003). *Contributions to a Critical Analysis of Medical Pluralism: An Examination of the Work of Libbet Crandon-Malamud*. Medical Pluralism in the Andes. Routledge Publishing, London. 42-60.
- Baer, H.A. (2004). Medical Pluralism. In Carol R. Ember and Melvin Ember (Ed.), *Encyclopedia of Medical Anthropology: Health and Illness in the World's Cultures*, Volume I: Topics (pp. 109-116). New York: Springer.
- Baer, H. A. (2008). The Australian dominative medical system: A reflection of social relations in the larger society. *The Australian Journal of Anthropology*, 19(3), p. 252-271.
- Baer, H.A. (2011). Medical pluralism: An Evolving and Contested Concept in Medical Anthropology. In Merrill Singer (Ed.), *A Companion to Medical Anthropology*. Blackwell Companions to Anthropology 8 (pp. 405-423). Malden, Mass. WileyBlackwell.
- Baer, H.A., Singer, M., & Susser, I. (2003). *Medical Anthropology and the World System: A Critical Perspective* (2nd Ed.). Westport CT: Praeger.
- Baharvand-Ahmadi, B., Bahmani, M., Tajeddini, P., Naghdi, N., & Rafieian-Kopaei, M. (2016). An ethno-medicinal study of medicinal plants used for the treatment of diabetes. *J Nephropathol* ;5(1):44-50. DOI: 10.15171/jnp.2016.08
- Balick, M. J. (1994). Ethnobotany, Drug Development and Biodiversity Conservation - Exploring the Linkages. In D. Chadwick & J. Marsh (Eds.), *Ethnobotany and the Search for New Drugs* (pp. 4-24). Chichester: John Wiley & Sons.
- Balick, M.J. & Cox, P.A. (1999). *Plants, People and Culture: The Science of Ethnobotany*. Scientific American Library, New York, USA., ISBN-13: 9780716760276, Pages: 228.
- Banna, J., & Bersamin, A. (2018). Community involvement in design, implementation and evaluation of nutrition interventions to reduce chronic diseases in indigenous populations in the U.S.: a systematic review. *International journal for equity in health*, 17(1), 116. <https://doi.org/10.1186/s12939-018-0829-6>
- Bannerman, R. H. O., Burton, J., & Chen, W. (1983). *Traditional Medicine and Health care Coverage: A Reader for Health Administrators and Practitioners*. Geneva: World Health Organisation.
- Barsh, R. L. (1999). *Indigenous knowledge and biodiversity*. In: Indigenous peoples, their environments and territories, presented by Gray, Andres. In: Posey D, editor. Cultural and spiritual values of biodiversity, a complimentary contribution to the global biodiversity assessment. Nairobi: UNDP, London: Intermediate Technologies, pp. 73-76.
- Basar, N., Othman, S.N.A.M., Nahar, L. & Sarker. (2014). The ethnomedicinal, phytochemical and pharmacological properties of Phaleria macrocarpa (Scheff). Boerl. TANG [HUMANITAS MEDICINE] 4 (4), 22.1-22.12. doi: 10.5667/tang.2014.0018
- Basity, S. & Iravani, M. R. (2014). Health-seeking Behaviour of Diabetic Patients in Koohzar Village in Damghan city. Medical archives (Sarajevo, Bosnia and Herzegovina), 68(6), 384-8.
- Basuki, B., Amri, A., Soemarko, D. S., & Ismail, E. I. (2001). Age, Body Posture, Daily Working Load, Past Hypertensive Drug and Risk of Hypertension: An Indonesia 2001 Rural Study. *Med J Indones* 11, 224-9.
- Basuki, B., Siagian, M., Ilyas, E. I., & Amri, Z. (2004). Combined traditional medicine and pharmacological antihypertensive drugs in a rural community of West Java, Indonesia. *Med J Indonesia* 13, 246-51.
- Bates, D.G. (2002). Why not call modern medicine 'alternative'? *Annals of the American Academy of Political and Social Science* 583, p. 12-28
- Batoro, J., & Siswanto, D. (2017). Ethnomedicinal survey of plants used by local society in Poncokusumo district, Malang, East Java Province, Indonesia. *Asian Journal Of Medical And Biological Research* 3 (2), 158-167. doi: 10.3329/ajmbr.v3i2.33563

- Beagley, J., Guariguata, L., Weil, C., & Motala, A. A. (2014). Global estimates of undiagnosed diabetes in adults. *Diabetes Research and Clinical Practice*, 103(2), 150–160. <https://doi.org/10.1016/j.diabres.2013.11.001>
- Bekalo, T. H., Woodmatas, S. D., & Woldemariam, Z. A. (2009). An ethnobotanical study of medicinal plants used by local people in the lowlands of Konta Special Woreda, southern nations, nationalities and peoples regional state, Ethiopia. *J Ethnobiology Ethnomedicine* 5 (26). doi:10.1186/1746-4269-5-26
- Bennadi, D. (2014). Self-medication: A current challenge. *Journal of basic and clinical pharmacy*, 5(1), 19–23. doi:10.4103/0976-0105.128253.
- Benson, G. (2010). The Role of Disease Management in Diabetes care. *Diabetes Spectrum Mar*, 23 (2) 116-118; DOI: 10.2337/diaspect.23.2.116
- Bergman, M., Buysschaert, M., Schwarz, P. E., Albright, A., Narayan, K. V., & Yach, D. (2012). Diabetes prevention: global health policy and perspectives from the ground. *Diabetes management* (London, England), 2(4), 309–321. <https://doi.org/10.2217/dmt.12.34>
- Berkes, F., J. Colding, & C. Folke. (2003). *Navigating Social-Ecological Systems: Building Resilience for Complexity and Change*. Cambridge: Cambridge University Press.
- Bewick, V., Cheek, L., & Ball, J. (2004). Statistics review 8: qualitative data - tests of association. *Crit care* 8, 46–5
- Bhasin, V. (2007). *Medical Anthropology: A Review* (Vol. 1, Issue 1).
- Bhat, M., S. S. Zinjarde, S. Y. Bhargava, A. R. Kumar, & B. N. Joshi. (2011). Antidiabetic Indian Plants: A Good Source of Potent Amylase Inhibitors. *Evidence-Based Complementary and Alternative Medicine*, vol. 2011, Article ID 810207.
- Bierlich, B. M. (2007). *The Problem of Money: African Agency and Western Medicine in Northern Ghana*. Berghahn Books: New York.
- Bindu, J., & Narendhirakannan, R. T. (2018). Role of medicinal plants in the management of diabetes mellitus: a review. *3 Biotech* 9, 4. <https://doi.org/10.1007/s13205-018-1528-0>
- Bodeker, G. (2017). *Health care of Indigenous Peoples/Nations*. International Encyclopedia of Public Health.
- Bodeker, G. & F. Kronenberg. (2002). A Public Health Agenda for Traditional, Complementary, and Alternative Medicine. *American Journal Of Public Health*, 92(10), 1582-1591. doi: 10.2105/ajph.92.10.1582
- Bodenheimer, T., Wagner, E. H., & Grumbach, K. (2002). Improving primary care for patients with chronic illness. *JAMA* 288 (14), 1775-9.
- Bouwari, O.Y. (2012). Diabetes Mellitus in Developing Countries and Case Series. *Diabetes Mellitus - Insights and Perspectives*, Oluwafemi O. Oguntibeju, IntechOpen, DOI: 10.5772/50658. Available from: <https://www.intechopen.com/books/diabetes-mellitus-insights-and-perspectives/diabetes-mellitus-in-developing-countries-and-case-series>
- Bramswig, N. & Kaestner, K. (2012). Epigenetics and diabetes treatment: an unrealized promise? Vol. 23, Iss. 6, Pages 286-291. [Retrieved September 4, 2017, from sciencedirect.com]
- Brata, C., Fisher, C., Marjadi, B., Schneider, C. R., & Clifford, R. M. (2016). Factors influencing the current practice of self-medication consultations in Eastern Indonesian community pharmacies: a qualitative study. *BMC health services research*, 16, 179. <https://doi.org/10.1186/s12913-016-1425-3>
- Braveman, P. & Gottlieb, L. (2014). The social determinants of health: it's time to consider the causes of the causes. *Public health reports* (Washington, D.C. : 1974), 129 Suppl 2 (Suppl 2), 19–31. doi:10.1177/00333549141291S206.

- Broom, A., Doron, A., Tovey, P. (2009). The Inequalities of Medical Pluralism: Hierarchies of Health, the Politics of Tradition and the Economies of care in Indian Oncology. *Social Science & Medicine*; 69(5):698–706.
- Browne, K. (2001). (Ng)amuk Revisited: Emotional Expression and Mental Illness in Central Java, Indonesia. *Transcultural Psychiatry* 38 (2), 147-165. doi: 10.1177/136346150103800201
- Budijanto, D. & W. D. Astuti. (2015). Adequacy of Strategic Health Health Center In Indonesia. *Buletin Penelitian Sistem Kesehatan* 18 (2), 179–186.
- Busfield, J. (2010). 'A pill for every ill': Explaining the expansion in medicine use. *Social Science & Medicine*, p 934-941.
- Bush, T. M., Rayburn, K. S., Holloway, S. W., Sanchez-Yamamoto, D. S., Allen, B. L., Lam, T., & Roth, L. W. (2007). Adverse interactions between herbal and dietary substances and prescription medications: a clinical survey. *Alternative therapies in health and medicine* 13 (2), 30-5.
- Campos, C (2006). Narrowing the cultural devide in diabetes mellitus care: a focus on improving cultural competency to better serve Hispanic/Latino population. *Insulin* (1): 2, p. 71-76. doi:10.1016/S1557-0843(06)80013-8
- Chaachouay, N., Benkhnigue, O., Fadli, M., Ibaoui, H. E., & Zidane, L. (2019). Ethnobotanical and ethnopharmacological studies of medicinal and aromatic plants used in the treatment of metabolic diseases in the Moroccan Rif. *Heliyon* (5) e02191
- Chang, C., Lu, F., Yang, Y., Wu, J., Wu, T., & Chen, M. (2000). Epidemiologic study of type 2 diabetes in Taiwan. *Diabetes Research And Clinical Practice* 50, S49-S59. doi: 10.1016/s0168-8227(00)00179-0
- Chaudhury, R. R. & Rafei, U. M. (2001). *Traditional Medicine in Asia*. SEARO Regional Publications No. 39. New Delhi.
- Chege, I.N., Okalebo, F.A., Guantai, A.N., Karanja, S., & Derese, S. (2015). Herbal product processing practices of traditional medicine practitioners in Kenya—key informant interviews. *Journal of Health, Medicine and Nursing* 16, 11–23.
- Cheikhyoussef, A., Shapi, M., Matengu, K., & Ashekele, H. M. U. (2011). Ethnobotanical study of indigenous knowledge on medicinal plant use by traditional healers in Oshikoto region, Namibia. *Journal Of Ethnobiology And Ethnomedicine* 7 (1), 10. doi: 10.1186/1746-4269-7-10
- Chidozie, N., Okorie, E., N, O., O, E., Chukwuma, N., & C, N. (2014). Effectiveness of traditional and conventional medicine in the treatment of diabetes: A comparative study of south-east, Nigeria. *International Journal Of Clinical Medicine Research* 1 (2), 35-41.
- Chin, M. H., Cook, S., Jin, L., Drum, M. L., Harrison, J. F., & Koppert, J. (2001). Barriers to providing diabetes care in community health center. *Diabetes care* 24 (2), 268–274. 10.2337/diacare.24.2.268
- Chirangi, M. M. (2013). *Afyaa Jumuishi: Towards Interprofessional Collaboration between Traditional and Modern Medical Practitioners in the Mara Region of Tanzania*. PhD Thesis, Leiden University, Leiden.
- Cho, H. J. (1999). Traditional Medicine, Professional Monopoly and Structural Interests: A Korean Case. *Social Science and Medicine* 50 (1), 123–35.
- Cho, N.H. (2018). *Why governments must do more to help people with diabetes and their families*. Accessed online at : <https://www.openaccessgovernment.org/people-with-diabetes/52515/>
- Choi, B., Han, D., Na, S., & Lim, B. (2017). Factors related to the parallel use of complementary and alternative medicine with conventional medicine among patients with chronic conditions in South Korea. *Integrative Medicine Research* 6 (2), 223-229. doi: 10.1016/j.imr.2017.04.002

- Chong, S., Ding, D., Byun, R., Comino, E., Bauman, A., & Jalaludin, B. (2017). Lifestyle Changes After a Diagnosis of Type 2 Diabetes. *Diabetes spectrum : a publication of the American Diabetes Association*, 30(1), 43–50. doi:10.2337/ds15-0044
- Ciechanowski, P., Katon, W., & Russo, J. (2000). Depression and Diabetes. *Archives Of Internal Medicine* 160 (21), 3278. doi: 10.1001/archinte.160.21.3278
- Clewley, D., Rhon, D., Flynn, T., Koppenhaver, S., & Cook, C. (2018). Health seeking behavior as a predictor of health care utilization in a population of patients with spinal pain. *PLOS ONE*, 13(8), e0201348. <https://doi.org/10.1371/journal.pone.0201348>
- Cohen, D. B., Allain, T. J., Glover, S., Chimbayo, D., Dzamalala, H., Hofland, H. W., Banda, N. P., & Zijlstra, E. E. (2010). A survey of the management, control, and complications of diabetes mellitus in patients attending a diabetes clinic in Blantyre, Malawi, an area of high HIV prevalence. *Am J Trop Med Hyg* 83 (3), 575-81.
- Cox, P. A. & Balick, M. (1994). The Ethnobotanical Approach to Drug Discovery. *Sci Am* 270, 82–7.
- Cravey, A., Washburn, S., Gesler, W., Arcury, T., & Skelly, A. (2001). Developing socio-spatial knowledge networks:. *Social Science and Medicine*, 52(12), 1763-1775. doi: 10.1016/s0277-9536(00)00295-1
- Cruz, E. & Andrade-Cetto, A. (2015). Ethnopharmacological field study of the plants used to treat type 2 diabetes among the Cakchiquels in Guatemala. *Journal Of Ethnopharmacology* 159, 238-244. doi: 10.1016/j.jep.2014.11.021.
- Dawood, O., Hassali, M., Saleem, F., Ibrahim, I., Abdulameer, A., & Jasim, H. (2017). Assessment of health-seeking behaviour and self-medication among general public in the state of Penang, Malaysia. *Pharmacy Practice* 15 (3), 991-991. doi: 10.18549/pharmpract.2017.03.991.
- De Bekker, J.C.M. (2020). Transcultural Health care Utilisation in Serengeti of Tanzania : Towards Applied Ethnoscience in Public Health Management. PhD Dissertation. Leiden Ethnosystems and Development Programme (LEAD) Studies, No. 12. Leiden: Leiden University.
- De Walt, Kathleen, M., & Billie R. (2002). *Participant observation: a guide for fieldworkers*. Walnut Creek, CA: AltaMira Press.
- Debussche, X., Debussche, M. B., Besançon, S., & Traoré, S. A. (2009). Challenges for people with diabetes. Challenges to diabetes self-mangement in developing countries. *Diabetes Voice* (54), Special Issue. Accessed at June 2018. Available online at : *Diabetes Res Clin Pract*. 93(3):443-5
- Diba, F., Fathul Y., Yeni M., & Kazuhiro O. (2013). Inventory and Biodiversity of Medical Plants from Topical Rain Forest Based on Traditional Knowledge by Ethnic Dayaknese Communities in West Kalimantan Indonesia. *Kuroshio Science* 7 -1, 78-80
- Dineshkumar, B., Raghuram, T. C., Radhaiah, G., & Krishnaswamy, K. (1995). Profil of Drug use in Urban and rural India. *Pharmacoeconomics* 7 (4), 332-46.
- Djen Amar, S. C. (2010). *Gunem Catur in the Sunda Region of West Java: Indigenous Communication in the MAC Plant Knowledge and Practice within the Arisan in Lembang, Indonesia*. PhD Thesis, LEAD, Leiden University, Leiden.
- Dominguez, R. J. (2010). Health-seeking behaviour of patients with diabetes mellitus in Baguio City. *NLR Journal* Vol. 3-4.
- Dunn, F. L. (1976). Traditional Asian Medicine and Cosmopolitan Medicine as Adaptive Systems. In C. M. Leslie (Ed.), *Asian Medical Systems: A Comparative Study* (pp. 133-158). Berkeley: University of California Press.

- Elfahmi, Woerdenbag H.J., & Oliver K. (2014). *Jamu*: Indonesian traditional herbal medicine towards rational phytopharmacological use. *Journal of Herbal Medicine*. Vol. 4, Issue 2. p 51-73
- Ell, K. & Castañeda, I. (1998). *Health-care seeking behaviour*. In *Handbook of immigrant health* (pp. 125-143). Boston, MA: Springer.
- Erickson, P. I. (2007). *Ethnomedicine*. Long Grove, IL: Waveland Press.
- Erlangga, D., Suhrcke, M., Ali, S., & Bloor, K. (2019). The impact of public health insurance on health care utilisation, financial protection and health status in low- and middle-income countries: A systematic review. *PloS one*, 14(8), e0219731. doi:10.1371/journal.pone.0219731
- Erwina, W. (2019). Iber Kesehatan in Tatar Sunda, Indonesia: Utilisation of Traditional and Modern Health Information and Communication Systems in Sukamiskin, Bandung. PhD Dissertation. Leiden Ethnosystems and Development Programme (LEAD) Studies, No. 10. Leiden: Leiden University.
- Eyong, C. T. (2007). Indigenous Knowledge and Sustainable Development in Africa: Case Study on Central Africa in Emmanuel K. Boon and Luc Hens (ed). *Indigenous Knowledge Systems and Sustainable Development: Relevance for Africa. Tribes and Tribals*, Special Volume No. 1, 121-139
- Farnsworth, N.R. (1993). Ethnopharmacology and future drug development: the North American experience. *J Ethnopharmacol* 38, 145–152.
- Fernandes, N.P., Lagishetty, C.P., Panda, V.S., & Naik, S.R. (2007). An experimental evaluation of the antidiabetic and antihyperlipidemic properties of a standardised *Momordica charantia* fruit extract. *BMC Compl. Altern. Med.*, 7: 29-37
- Field, A. (2009). *Discovering Statistics using SPSS (and sex, drugs and rock'n'roll)*. London: SAGE Publications.
- Fien, J. (2006). *Curriculum Themes: indigenous knowledge and sustainability*. [Online]. Available online at : http://www.unesco.org/education/tlsf/TLSF/theme_c/c_mod11.htm.
- Fish, W. (2010). *Philosophy of perception: A contemporary introduction*. New York: Routledge.
- Foster, G. M. (1976). Disease Etiologies in Non-Western Medical Systems. *American Anthropologist* 78, 773-783.
- Foster, G. M. (1994). *Hippocrates' Latin American Legacy: humoral medicine in the New World*. Milton Park: Taylor and Francis.
- Gabir, M.M., Hanson, R.L., Dabelea, D., Roumain, J., & Knowler, W.C. (2000). The 1997 American Diabetes Association and 1999 World Health Organization criteria for hyperglycemia in the diagnosis and prediction of diabetes. *Diabetes care*; 23(8): 1108-1112.
- Gaede, P., Vedel, P., Larsen, N., Jensen, G.V., Parving, H.H., & Pederson, O. (2003). Multifactorial Intervention and Cardiovascular Disease in Patients with Type 2 Diabetes. *N Engl J Med*, 348, p. 383-393.
- Galato D., Galafassi, L. M., Alano, G.M.,& Trauthman, S.C. (2009). Responsible self-medication: review of the process of pharmaceutical attendance Brazilian. *Journal of Pharmaceutical Sciences*; 45: 625-633
- Gale N. (2014). The Sociology of Traditional, Complementary and Alternative Medicine. *Sociology compass*, 8(6), 805–822. <https://doi.org/10.1111/soc4.12182>
- Garro, L. C. (1998). On the Rationality of Decision-Making Studies: Part 1: Decision Models of Treatment Choice. *Medical Anthropology Quarterly* (3) : 12, p. 319-340.
- Gewehr, R., Baêta, J., Gomes, E., & Tavares, R. (2017). On traditional healing practices: subjectivity and objectivation in contemporary therapeutics. *Psicologia USP* 28 (1), 33-43. doi: 10.1590/0103-656420150092.

- Giday, M., Z. Asfaw, Z. Woldu, & T. Teklehaymanot. (2009). Medicinal plant knowledge of the Bench ethnic group of Ethiopia: an ethnobotanical investigation. *Journal of Ethnobiology and Ethnomedicine* 5 (1), 24–34.
- Goldman N. & Heuveline P. (2000). Health-seeking behaviour for child illness in Guatemala. *Trop Med Int Health* 5, 145–55.
- Grant, P. (2013). Management of diabetes in resource-poor settings. *Clinical medicine* 13 (1), 27–31. doi:10.7861/clinmedicine.13-1-27
- Grant, S.J., Bin, Y.S., Kiat, H. & Chang, D.H.(2012). The use of complementary and alternative medicine by people with cardiovascular disease: a systematic review. *BMC Public Health* 12, 29. <https://doi.org/10.1186/1471-2458-12-299>.
- Grover, J.K., Yadav, S., & Vats, V. (2002). Medicinal plants of India with anti-diabetic potential. *J Ethnopharmacol.* 81(1):81-100.
- Guariguata, L., Whiting, D. R., Hambleton, I., Beagley, J., Linnenkamp, U., & Shaw J. E. (2014). Global estimates of diabetes prevalence for 2013 and projections for 2035, *Diabetes Research and Clinical Practice*, 103(2) (<http://www.sciencedirect.com/science/article/pii/S0168822713003859>)
- Gyasi, R., Asante, F., Abass, K., Yeboah, J., Adu-Gyamfi, S., & Amoah, P. (2016). Do health beliefs explain traditional medical therapies utilisation? Evidence from Ghana. *Cogent Social Sciences*, 2(1). doi: 10.1080/23311886.2016.1209995.
- Haak, H. & Hardon, A. (1988). Indigenised pharmaceuticals in developing countries: widely used, widely neglected. *The Lancet* 332 (8611), 620-621. doi: 10.1016/s0140-6736(88)90652-6.
- Hafizur, R. M., N. Kabir, & S. Chishti. (2011). Modulation of pancreatic β-cells in neonatally streptozotocin-induced type 2 diabetic rats by the ethanolic extract of Momordica charantiafruit pulp. *Natural Product Research* 25(4), 353-367. doi: 10.1080/14786411003766904.
- Haldane, V., Chuah, F.L.H., Srivastava, A., Singh, S.R., & Koh, G.C.H. (2019) Community participation in health services development, implementation, and evaluation: A systematic review of empowerment, health, community, and process outcomes. *PLOS ONE* 14(5): e0216112. <https://doi.org/10.1371/journal.pone.0216112>
- Hamilton, A. (2005). *Medicinal plants and conservation: issues and approaches*. Surrey. U.K.: International plants Conservation Unit, WWF-UK.
- Hardon, A., Boonmongkon, P., Streefland, P., Tan, M.L., Hongvivatana. T., Geest van der, S., van Staa A., Varkevisser, C., Chowdhury, M., Bhuiya, A., Sringeruang, L., van Dongen E., & Gerrits, T. (2001). Health Systems in Applied Health Research Manual. *Anthropology of Health and Health care*. 2001, 27-32. Het Spinhuis Publishers: Amsterdam
- Harun, H. (2014). Analisis Standar Pelayanan Minimum (SPM) Peserta Aktif KB (Contraceptive Prevalenc Rate/ CDR) di Kecamatan Sangir Solok Selatan tahun 2012. [Thesis]. Padang (ID): Universitas Andalas Padang
- Helman, C.G. (2001). *Culture, health and illness* (Fourth edition). London: Arnold.
- Henry, J.S., Handu, K.A.J., Al Khaja, & Sequeira,P. (2006). Evaluation of the Knowledge, Attitude and Practice of Self-Medication among First-Year Medical Students. *Medical Principles and Pract.*; 15:270–275
- Hesketh, T. & Zhu, W. X. (1997). Health in China, Traditional Chinese Medicine: One country, Two Systems. *British Medical Journal* 315, 115–17.
- Heywood & Choi. (2010). Health system performance at the district level in Indonesia after decentralization. *BMC International Health and Human Rights* 10 (3). Available online at : <http://www.biomedcentral.com/1472-698X/10/3>

- Heywood, P. & Harahap, N. P. (2009). Health facilities at the district level in Indonesia. *Australia and New Zealand health policy*, 6, 13. doi:10.1186/1743-8462-6-13
- Hidayat, S. (2005). *Ramuan Tradisional ala 12 Etnis Indonesia*. Jakarta: Penebar Swadaya.
- Hofer, T. P., Zemencuk, J. K., & Hayward, R. A. (2004). When there is too much to do: how practicing physicians prioritize among recommended interventions. *J Gen Intern Med* 19 (6), 646-53.
- Holleman, L.C. (1991). *Vietnamese medical beliefs in the context of the American medical system*. PhD Dissertation. Columbia University, USA.
- Hughes, C. M., McElnay, J. C., & Fleming, G. F. (2001). Benefits and Risks of Self Medication. *Drug Safety*, 24(14), 1027-1037.
- Ibui, A. K. (2007). *Indigenous Knowledge, Belief and Practice of Wild Plants among the Meru in Kenia: Past and Present Human-Plant Relations in East Africa*. PhD Thesis, Leiden University, Leiden.
- Institute for Health Metrics and Evaluation. (2017). Indonesia – West Java. Available online at : <http://www.healthdata.org/indonesia-west-java>
- International Diabetes Federation. (2017). *IDF Diabetes Atlas – Eighth edition 2017*. Retrieved from <http://www.diabetesatlas.org/across-the-globe.html>
- Iwu, M.M. (2002). *Introduction: therapeutic agents from ethnomedicine*. In: Iwu MM, Wootton JC, editors. Ethnomedicine and Drug Discovery. Elsevier Science B.V.; Amsterdam, The Netherlands. pp. 1–22.
- James-Daniel, R. T. A. (2017). *The Relationship Between College Students Knowledge Attitudes and Perceived Risk of Type II Diabetes Mellitus*. Dissertation. Trident University International. California
- Jarald, E., Joshi S.B., & Jain D.C. (2008). Diabetes and herbal medicines. *Iranian J. Pharmacol.Ther.* 7 (1), 97-106.
- Jones, A., Vallis, M., Cooke, D., & Poewer, F. (2015). Working Together to Promote Diabetes Control: A Practical Guide for Diabetes Health care Providers in Establishing a Working Alliance to Achieve Self-Management Support. *Journal of Diabetes Research*. Spec.issue.
- Joo, J. Y. (2014). Effectiveness of Culturally Tailored Diabetes Interventions for Asian Immigrants to the United States: A Systematic Review. *The Diabetes Educator*, 40(5), 605–615. <https://doi.org/10.1177/0145721714534994>
- Joshi, S., Dhungana, R. R., & Subba, U. K. (2015). Illness Perception and Depressive Symptoms among Persons with Type 2 Diabetes Mellitus: An Analytical Cross-Sectional Study in Clinical Settings in Nepal. *Journal of diabetes research*, 2015, 908374. <https://doi.org/10.1155/2015/908374>
- Karamanou, M., Protoplerou, A., Tsoucalas, G., Androullos, G., & Poulakou-Rebelakou, E. (2016). Milestones in the history of diabetes mellitus: The main contributors. *World Journal of Diabetes* 7 (1), 1–7. doi:10.4239/wjd.v7.i1.1
- Karim, A., Nouman, M., Munir, S., & Sattar, S. (2011). Pharmacology and Phytochemistry of Pakistani Herbs and Herbal Drugs Used for Treatment of Diabetes. *Int. J. Pharm.*, 7(4): 419-439
- Kasole, R., Martin, H., & Kimiywe, J. (2019). Traditional Medicine and Its Role in the Management of Diabetes Mellitus: “Patients’ and Herbalists’ Perspectives”. *Evidence-Based Complementary And Alternative Medicine*, 2019, 1-12. doi: 10.1155/2019/2835691
- Kawulich, B. B. (2005). *Participant Observation as a Data Collection Method*. Forum Qualitative Sozialforschung / Forum: Qualitative Social Research, 6(2), Art. 43, <http://nbn-resolving.de/urn:nbn:de:0114-fqs0502430>.

- Kesari, N., Kesari, S., Santosh, K.S., Rajesh, K.G. & Geeta, W. (2007). Studies on the glycaemic and lipidemic effect of *Murraya Koenigii* in experimental animal. *J Ethnopharmacol*, 112(2):305-11.
- Khajeh, A., Vardanjani, H. M., Salehi, A., Rahmani, N., & Delavari, S. (2019). Health care-seeking behavior and its relating factors in South of Iran. *Journal of Education and Health Promotion*, 8, 183. https://doi.org/10.4103/jehp.jehp_93_19
- Kim, D. H. (2012). Chemical Diversity of *Panax ginseng*, *Panax quinquefolium*, and *Panax notoginseng*. *J Ginseng Res* 36 (1), 1-15.
- Kim, H. Y., Moon, B. H., Lee, H. J., & Choi, D. H. (2004). Flavonol Glycosides from the Leaves of *Eucommia ulmoides* with Glucation Inhibitory Activity. *J Ethnopharmacol*. 93, 227–30.
- King, D. K., Glasgow, R. E., Toobert, D. J., Strycker, L. A., Estabrooks, P. A., Osuna, D., & Faber, A. J. (2010). Self-efficacy, problem solving, and social-environmental support are associated with diabetes self-management behaviours. *Diabetes care*, 33(4), 751–753. doi:10.2337/dc09-1746
- Kjellsson, G., Clarke, P., & Gerdtham, U.-G. (2014). Forgetting to remember or remembering to forget: A study of the recall period length in health care survey questions. *Journal of Health Economics*, 35, 34–46. <https://doi.org/10.1016/J.JHEALECO.2014.01.007>
- Kleinman, A. (1980). *Patients and Healers in the Context of Culture: An Exploration of the Borderland between Anthropology, Medicine, and Psychiatry*. Berkeley: University of California Press.
- Klokke, A. (1998). *Traditional medicine among the Ngaju dayak in central Kalimantan*. Phillips, USA: Boreno Research Council.
- Kohn, R. & White, K. L. (Eds.) (1976). *Health care: An International Study*. Report of the World Health Organisation. London: Oxford University Press.
- Kolling, M., Winkley, K., & von Deden, M. (2010). “For someone who’s rich, it’s not a problem”. Insights from Tanzania on diabetes health-seeking and medical pluralism among Dar es Salaam’s urban poor. *Globalization and Health*, 6(1), 8. <https://doi.org/10.1186/1744-8603-6-8>
- Kooti, W., Farokhipour, M., Asadzadeh, Z., Ashtary-Larky, D., & Asadi-Samani, M. (2016). The role of medicinal plants in the treatment of diabetes: a systematic review. *Electronic physician*, 8(1), 1832–1842. doi:10.19082/1832
- Krah, E., De Kruijf, J., & Ragno, L. (2017). Integrating Traditional Healers into the Health care System: Challenges and Opportunities in Rural Northern Ghana. *J Community Health* 43, 157–163
- Krishnan, A., Ekowati, R., Baridalyne, N., Kusumawardani, N., Suhardi, Kapoor, S., & Leowski, J. (2010). Evaluation of community-based interventions for non-communicable diseases: experiences from India and Indonesia. *Health Promotion International* 26 (3), 276-289. doi: 10.1093/heapro/daq067.
- Kumar, Vinay, Abbas, K., & Aster, J. C. (2012). Diabetes Mellitus. *Robbins Basic Pathology*. Elsevier Health Sciences. 739-50.
- Kumari, D.J. (2010). Hpoglycaemic effects of *Moringa oleifera* and *Azadirachta Indica* in type 2 diabetes mellitus. The Bioscan. 5 (2), 211–214
- Kuruv, P. N. V. (2001). *Ayurveda*. In Chaudhury, R.R. and Rafei, U.M (Eds), *Traditional Medicine in Asia* (pp. 3-16). SEARO Regional Publications No. 39. New Delhi.
- Lai, D. W. L., & Suroid, S. (2010). Types and factor structure of barriers to utilization of health services among aging south Asians in Calgary, Canada. *Canadian Journal on Aging-Revue Canadienne Du Vieillissement*, 29(2), 249-258.

- Langdon, E.J. & Wiik, F.B. (2010). Anthropology, health and illness: an introduction to the concept of culture applied to the health sciences. *Revista Latino-Americana de Enfermagem*, 18(3), 459-466. <https://doi.org/10.1590/S0104-11692010000300023>
- Lans, C. A. (2006). Ethnomedicines used in Trinidad and Tobago for urinary problems and diabetes mellitus. *J Ethnobiology Ethnomedicine* 2, 45. doi:10.1186/1746-4269-2-45
- Larkey L. K., Hecht M. L., Miller K., & Alatorre C. (2001). Hispanic Cultural Norms for health-seeking behaviour in the face of symptoms. *Health Education and Behaviour* 28 (1), 65-80.
- Law of the Republic of Indonesia (RI) Number 40 Year 2004 on National Social Insurance System (SJSN)
- Leon-Munoz, L. M., Lopez-Garcia, E., Graciani, A., Guallar-Castillon, P., Banegas, J. R., & Rodriguez-Artalejo, F. (2007). Functional status and use of health care services: Longitudinal study on the older adult population in Spain. *Maturitas*, 58(4), 377-386.
- Leslie, C. (1980). Medical Pluralism in World Perspective. *Social Science and Medicine*, 14 (B), pp. 191-195.
- Leslie, C. M. (Ed.) (1976). *Asian Medical Systems: A Comparative Study*. Berkeley: University of California Press.
- Leslie, C.M. (1980). Medical pluralism in world perspective. *Social Science and Medicine*, 14B(4), 191-195.
- Leung, L., R. Birtwhistle, J. Kotecha, S. Hannah, & S. Cuthbertson. (2009). Anti-diabetic and Hypoglycaemic Effects of Momordica charantia (bitter melon): a mini review. *British Journal of Nutrition* 102 (12), 1703–1708.
- Leurs, L. N. (2010). Medicinal, Aromatic and Cosmetic (MAC) Plants for Community Health and Bio-Cultural Diversity Conservation in Bali, Indonesia. PhD Dissertation, Leiden Ethnosystems and Development Programme (LEAD) Studies, No. 5. Leiden: Leiden University, xx + ill., 343 pp.
- Lewis, B.D. (2013). *Urbanization and Economic Growth in Indonesia : Good News, Bad News and (Possible) Local Government Mitigation*. Regional Studies, DOI:10.1080/00343404.2012.748980
- Lewis, W.H., & Elvin-Lewis, M.P. (1995). Medicinal Plants as Sources of New Therapeutics. *Annals of the Missouri Botanical Garden* 82 (1), 1
- Lim, M. T, Lim, Y., Tong, S., & Sivasampu, S. (2019). Age, sex and primary care setting differences in patients' perception of community health care seeking behaviour towards health services. *PLOS ONE* 14(10), e0224260. doi: 10.1371/journal.pone.0224260.
- Lunyera, J., Wang, D., Maro, V., Karia, F., Boyd, D., & Omolo, J. (2016). Comprehensive Kidney Disease Assessment For Risk factors, epidemiology, Knowledge, and Attitudes (CKD AFRiKA) Study. Traditional medicine practices among community members with diabetes mellitus in Northern Tanzania: an ethnomedical survey. *BMC Complementary and Alternative Medicine* 16(1), 282. doi:10.1186/s12906-016-1262-2
- Mackian, S. (2002). A Review of Health Seeking Behaviour: Problems and Prospects. *Health Systems Development*. University of Manchester, Manchester, UK.
- MacPhee, M.J. (2012). *Vulnerability and the Art of Protection: Embodiment and Health care in Moroccan Households*. Carolina Academic Press. Durham, North Carolina.
- Mahwasane, S. T., Middleton, L., & Boaduo, N. (2013). An ethnobotanical survey of indigenous knowledge on medicinal plants used by the traditional healers of the Lwamondo area, Limpopo province, South Africa. *South African Journal of Botany* 88, 69–75
- Malviya, N., Jain, S., & Malviya, S. (2010). Antidiabetic potential of medicinal plants. *Acta Poloniae Pharmaceutica*, 67(2), 113–118.

- Marles, R. J. & Farnsworth, N. R. (1995). Antidiabetic Plants and Their Active Constituents. *Phytomedicine* 2 (2), 137-189.
- Marsland, R. (2007). The modern traditional healer: Locating 'hybridity' in modern traditional medicine, southern Tanzania. *Journal of Southern African Studies*, 33(4), 751-765.
- Matheka, D.M. & Alkizim, F.O. (2012). Complementary and alternative medicine for type 2 diabetes mellitus: Role of medicinal herbs. *Journal of Diabetes and Endocrinology* Vol. 3 (4), pp. 44-56
- Matheka, D.M. & Demaio, A.R. (2013). Complementary and alternative medicine use among diabetic patients in Africa: a Kenyan perspective. *Pan African Medical Journal*. available online at: <http://www.panafrican-med-journal.com/content/article/15/110/full/>
- Mattson, J. (2010). *Transportation, Distance, and Health care Utilisation for Older Adults in Rural and Small Urban Areas*. Thesis. North Dakota State University, Fargo
- Mboi, N., Surbakti, I.M., Trihandini, I., Elyazar, I., & Hay, S.I.(2016). On the road to universal health care in Indonesia, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016. *The Lancet*. 28 June 2018. doi:10.1016/S0140-6736(18)30595-6.
- Mekonnen Y., & Mekonnen A. (2002). *Utilisation of Maternal Health care Services in Ethiopia*. Calverton, Maryland, USA: ORC Macro.
- Melchionda, N., Forlani, G., Marchesini, G., Baraldi, L., & Natale, S. (2002). WHO and ADA criteria for the diagnosis of diabetes mellitus in relation to body mass index. Insulin sensitivity and secretion in resulting subcategories of glucose tolerance. *International Journal of Obesity & Related Metabolic Disorders*, 26 (1), p90. 7p.
- Mendenhall, E., McMurry, H. S., Shivashankar, R., Narayan, K. M., Tandon, N., & Prabhakaran, D. (2016). Normalizing diabetes in Delhi: a qualitative study of health and health care. *Anthropology and Medicine* 23 (3), 295–310. doi:10.1080/13648470.2016.1184010
- Meragiaw, M., Asfaw, Z., & Argaw, M. (2016). The Status of Ethnobotanical Knowledge of Medicinal Plants and the Impacts of Resettlement in Delanta, Northwestern Wello, Northern Ethiopia. Evidence-based complementary and alternative medicine. *eCAM* . doi:10.1155/2016/5060247
- Metta, E. O. (2016). *Health-seeking behaviour among adults in the context of the epidemiological transition in Southeastern Tanzania: A focus on malaria and diabetes*. PhD Dissertation. University of Groningen : Groningen. The Netherlands.
- Metta, E., Bailey, A., Kessy, F., Geubbels, E., Hutter, I., & Haisma, H. (2015). "In a situation of rescuing life": meanings given to diabetes symptoms and care-seeking practices among adults in Southeastern Tanzania: a qualitative inquiry. *BMC Public Health*, 15(1). doi: 10.1186/s12889-015-1504-0
- Mihardja L., Delima, H. S., Manz, L., & Ghani, S. S. (2009). Prevalence and determinants of diabetes mellitus and impaired glucose tolerance in Indonesia. *Acta Med Indones-Indones J Intern Med* 41(4), 169- 174.
- Mills, A., J. P. Vaughan, D. L. Smith, & I. Tabibzadeh. (1990). *Health System Decentralization : Concept, Issues and Country Experience*. Geneva : World Health Organization
- Ministry of Health of the Republic of Indonesia. (1994). *The rule codification of traditional medicine*. Part I. Jakarta: Directorate General of Food and Drug Control.
- Ministry of Health of the Republic of Indonesia. (2010). *Strategic plan of Ministry of Health Period 2010–2014 (Rencana Strategis Kementerian Kesehatan Tahun 2010-2014)*. Jakarta : Ministry of Health
- Ministry of Health of the Republic of Indonesia. (2013). *Recommended Dietary Allowance of Indonesian Population*. Jakarta : Ministry of Health
- Ministry of Health of the Republic of Indonesia. (2015). *Health profile of Indonesia the year 2015*. Jakarta : Ministry of Health

- Miranda, J., Barrientos-Gutiérrez, T., Corvalan, C., Hyder, A., Lazo-Porras, M., Oni, T., & Wells, J. (2019). Understanding the rise of cardiometabolic diseases in low- and middle-income countries. *Nature Medicine*, 25(11), 1667-1679. doi: 10.1038/s41591-019-0644-7.
- Modak, M., Dixit, P., Londhe, J., Ghaskadbi, S., & Devasagayam, T. P. (2007). Indian herbs and herbal drugs used for the treatment of diabetes. *Journal of clinical biochemistry and nutrition*, 40(3), 163–173. doi:10.3164/jcbn.40.163
- Montastruc, J. L., Bagheri, H., Geraud, T., & Lapeyre-Mestre, M. (1997). Pharmacovigilance of self-medication. *Therapie* 52, 105–10.
- Muhtadi, A., Susilawati, Y & Zakaria A.D. (2008). *The activity of isolate from ethyl acetate fraction of mahkota dewa (Phaleria macrocarpa (Scheff.) Boerl.) fruits on insulin sensitivity in hyperglycaemic mouse*. Proceeding Int Seminar on Chemistry, Jatinangor, Indonesia. 527-530
- Mun'im A., Katrin, A., Andriani A., Mahmudah K. F., & Mashita M. (2013). Screening of alfa glucosidase inhibitory activity of some Indonesian Medicinal Plants. *Int. J. Med. Arom. Plants* 3 (2), 144-150.
- Mustard, C. A., Kaufert, P., Kozyrskyj, A., & Mayer, T. (1998). Sex differences in the use of health care services. *The New England Journal of Medicine*, 338(23), 1678-1683.
- Naderifar, M., H. Goli, & F. Ghaljaie. (2017). Snowball Sampling: A Purposeful Method of Sampling in Qualitative Research. *Strides Dev Med Educ* 14(3), doi:10.5812/sdme.67670.
- Nam, S., Chesla, C., Stotts, N. A., Kroon, L., & Janson, S. L. (2011). Barriers to diabetes management: patient and provider factors. *Diabetes Res Clin Pract* 93 (1), 1–9. 10.1016/j.diabres.2011.02.002
- Nandhita, A., Ma, R.C.W., Ramachandran, A., Snehalatha, C., & Zimmet, P.Z. (2016). Diabetes in Asia and the Pacific : Implications for the Global Epidemic. *Diabetes care*. Vol. 39(3). p 472-485.<https://doi.org/10.2337/dc15-1536>
- Narayan, K. M., Gregg, E. W., Fagot-Campagna, A., Engelgau, M. M., & Vinicor, F. (2000). Diabetes — A Common, Growing, Serious, Costly, and Potentially Preventable Public Health Problem. *Diabetes Research and Clinical Practice* 50 (Supplement 2), S77-S84.
- Narayan, K. M., Zhang, P., Williams, D., Engelgau, M., Imperatore, G., Kanaya, A., & Ramachandran, A. (2006). How should developing countries manage diabetes?. *CMAJ : Canadian Medical Association Journal* 175 (7), 733. doi:10.1503/cmaj.060367
- Nasution, A. (2016). *Government Decentralization Program in Indonesia*. ADBI Working Paper 601. Tokyo: Asian Development Bank Institute. Available: <https://www.adb.org/publications/government-decentralization-program-indonesia/>
- National Center for Complementary and Integrative Health. (2008). *Complementary, Alternative, or Integrative Health: What's In a Name?* Available online at : <https://nccih.nih.gov/health/integrative-health>. [Accessed on July 2nd, 2016]
- National Formulary of Unani Medicine. (1981). *Ministry of Health. Government of India*. New Delhi, India.
- National Institute for Health and care Excellence (NICE). (2011). *Type 2 diabetes prevention: population and community-level interventions NICE guidelines [PH35]*. London: NICE.
- National Policy on Traditional Medicine and Regulation of Herbal Medicines. (2005). *Report of a Global WHO Survey*. Geneva: WHO.
- Nawiyanto. 2017. Indigenous Medical Tradition in a Frontier Society of Java, Indonesia. *Journal Man In India* 97 (10), 283-298
- Nazarian-Samani, Z., Sewell, R.D.E., Lorigooini, Z.& Rafeian-Kopaei, M.(2018). Medicinal Plants with Multiple Effects on Diabetes Mellitus and Its Complications: a Systematic Review. *Curr Diab Rep* 18, 72). <https://doi.org/10.1007/s11892-018-1042-0>

- Negi, V. S., Maikhuri, R. K., Phondani P. C., & Rawat, L. S. (2010). An inventory of indigenous knowledge and cultivation practices of medicinal plants in Govind Pashu Vihar Wildlife Sanctuary, Central Himalaya, India. *International Journal of Biodiversity Science, Ecosystem Services and Management* 6 (3), 96-105. DOI: 10.1080/21513732.2011.575385
- Ng, N., Stenlund, H., Bonita, R., Hakimi, M., Wall, S., & Weinshall, L. (2006). Preventable risk factors for noncommunicable diseases in rural Indonesia: prevalence study using WHO STEPS approach. *Bulletin of the World Health Organization* 84 (4), 305-13.
- Nidiry, E.S.J., Ganeshan, G., & Lokesh, A.N. (2011). Antifungal activities of some extracts and constituents of *Aloe vera*. *Res. J. Med Plant*, 5: 196-200
- Nisyapuri, F.F., Iskandar, J., & Partasasmita, R. (2018). Study of ethnobotany of medicinal plants in Wonoharjo Village, Pangandaran District, West Java. *Pros Sem Nas Masy Biodiv Indon* 4: 122-132.
- Nurhayati, N. & Widowati, L. (2017). The use of traditional health care among Indonesian Family. *Health Science Journal Of Indonesia* 8 (1). doi: 10.22435/hsji.v8i1.5600.
- Ocan, M., Obuku, E., Bwanga, F., Akena, D., Richard, S., Ogwale-Okeng, J., & Obua, C. (2015). Household antimicrobial self-medication: a systematic review and meta-analysis of the burden, risk factors and outcomes in developing countries. *BMC Public Health*, 15(1). doi: 10.1186/s12889-015-2109-3.
- Ocvirk, S., Kistler, M., Khan, S., Taluk, S.H., & Hauner, H. (2013). Traditional medicinal plants used for the treatment of diabetes in rural and urban areas of Dhaka, Bangladesh—an ethnobotanical survey. *Journal of Ethnobiology and Ethnomedicine*. (9) : 43.
- Oladipo, J. (2014). Utilisation of health care services in rural and urban areas: A determinant factor in planning and managing health care delivery systems. *African Health Sciences* 14 (2), 322.
- Omodanisi, E.I., Aboua, G.Y., & Oguntibeju, O.O. (2017). Therapeutic potentials and pharmacological properties of *Moringa oleifera* Lam in the treatment of diabetes mellitus and related complications. *Tropical Journal of Pharmaceutical Research* 16 (7), 1737.
- Ostlund, U., Kidd, L., Wengstro, Y., & Rowa-Dewa, N. (2011). Combining qualitative and quantitative research within mixed method research designs: A methodological review. *International Journal of Nursing Studies* 48, 369–383
- Oubre A. Y., Carson T., King S. R., & Reaven G. (1997). From Plant to Patient: An Ethnomedical Approach to the Identifications of New Drugs for the Treatment of NIDDM. *Diabetologia* 40, 614-617.
- Oyebode, O., Kandala, N., Chilton, P., & Lilford, R. (2016). Use of traditional medicine in middle-income countries: a WHO-SAGE study. *Health Policy And Planning* 31 (8), 984-991. doi: 10.1093/heropol/czw022
- Ozkum, D., Omrum A., & Hale Z.T. (2013). Herbal Medicine Use Among Diabetes Mellitus Patients in Northern Cyprus. *J. Med. Plants Res.* 7 (22), 1652-1664
- Panda, A., Pradhan, S., Mohapatro, G., & Kshatri, J. S. (2017). Predictors of over-the-counter medication: A cross-sectional Indian study. *Perspectives in Clinical Research* 8 (2), 79–84. doi:10.4103/2229-3485.203043
- Park, J. (2005). Use of alternative health care. *Health Reports*. Vol 16, p 39-42.
- Parsons, T. (1951). *The Social System*. Free Press: New York.
- Patel, D. K., Kumar, R., Laloo, D., & Hemalatha, S. (2012). Diabetes mellitus: an overview on its pharmacological aspects and reported medicinal plants having antidiabetic activity. *Asian Pacific journal of tropical biomedicine*, 2(5), 411–420. doi:10.1016/S2221-1691(12)60067-7
- Patel, M.B. & Mishra, S. (2011). Hypoglycemic activity of alkaloidal fraction of *Tinospora cordifolia*. *Phytomedicine* (18):12. p.1045-1052. Available online at :

- Pearson, H., Fleming, T., Chhoun, P., Tuot, S., Brody, C., & Yi, S. (2018). Prevalence of and factors associated with utilisation of herbal medicines among outpatients in primary health centers in Cambodia. *BMC Complement Altern Med.* 18 (1), 114.
- Pelto, P. J. & G.H. Pelto. (1997). Studying knowledge, culture, and behaviour in applied medical anthropology. *Med Anthropol Q* 11(2), 147-63.
- Peltzer, K., Oo, W. M., & Pengpid, S. (2016). Traditional, complementary and alternative medicine use of chronic disease patients in a community population in Myanmar. *African Journal of Traditional, Complementary and Alternative Medicines*, 13(3), 150-155. <https://doi.org/10.21010/ajtcam.v13i3.18>
- Penkala-Gawęcka, D., & Rajtar, M. (2016). Introduction to the special issue ‘medical pluralism and beyond.’ *Anthropology & Medicine*, 23(2), p129–134.
- Perez, Y.Y., Ferrer-Jimenez, A., Zamilpa, M., & Roman-Ramos, R. (2007). Effect of polyphenol rich extract from *Aloe vera* gel on experimentally induced insulin resistance in mice. *Am. J. Chinese Med.*, 35:1037-1046
- Permana, C.E. (2009). *Masyarakat Baduy dan Pengobatan Tradisional Berbasis Tanaman*. Wacana, 11 (1), p.81-94
- Perreira, C. (2017). *Health-Seeking Behaviours in Rural West Ghana*. Thesis. Faculty of Social Sciences University of Denver.
- Phelps, K. W., Howell, C. D., Hill, S. G., Seemann, T. S., Lamson, A. L., Hodgson, J. L., & Smith, D. A. (2009). A collaborative care model for patients with Type-2 diabetes. Families, Systems, & Health, 27(2), 131–140. <https://doi.org/10.1037/a0015027>
- Picking, D., Younger, N., Mitchell, S., & Delgoda, R. (2011). The prevalence of herbal medicine home use and concomitant use with pharmaceutical medicines in Jamaica. *Journal Of Ethnopharmacology* 137 (1), 305-311. doi: 10.1016/j.jep.2011.05.025
- Pool, R. & Geissler, W. (2005). *Medical Anthropology*. New York, NY: McGraw-Hill Education.
- Prabhakar, P. & Doble, M. (2011). Mechanism of action of natural products used in the treatment of diabetes mellitus. *Chinese Journal Of Integrative Medicine* 17(8), 563-574. doi: 10.1007/s11655-011-0810-3.
- Pujilestari, C., Ng, N., Hakimi, M., & Eriksson, M. (2014). It is not possible for me to have diabetes’-Community perceptions on diabetes and its risk factors in Rural Purworejo district, Central Java, Indonesia. *Global Journal of Health Science* 6 (5), 204.
- PUSDATIN. (2014). *Situasi dan analisis diabetes*. Jakarta: PUSDATIN. Available online at : <http://www.depkes.go.id/resources/download/pusdatin/infodatin/infodatin-diabetes.pdf>.
- Putri, L., Malik, C., Leuvinaadrie, L., & Mulyono, E. (2016). Ethnobotanical study of herbal medicine in Ranggawulung Urban Forest, Subang District, West Java, Indonesia. *Biodiversitas, Journal Of Biological Diversity* 17 (1), 172-176. doi: 10.13057/biodiv/d170125
- Quah, S. R. & Slikkerveer L. J. (2003). *Traditional Healing Systems: Negotiating Science and Technology Challenges*, NUS Singapore, Indigenous Knowledge Systems Research and Development Studies No.4.
- Rabito, M. J., & Kaye, A. D. (2013). Complementary and alternative medicine and cardiovascular disease: an evidence-based review. *Evidence-based complementary and alternative medicine : eCAM*, 2013, 672097. <https://doi.org/10.1155/2013/672097>
- Rahman, M. H., M. J. Fardusi, & M. S. Reza. (2011). Traditional Knowledge and Use of Medicinal Plants by the Patra Tribe Community in the North-Eastern Region of Bangladesh. *Proceedings of the Pakistan Academy of Sciences* 48 (3), 159-167.
- Rahmawati, W. & Handayani, D. (2014). Different Recipes and Energy Density of Indonesia Fast Food on Percentage of Indonesian Daily Value. *Obesity and Control Therapies: Open Access*. doi: 10.15226/2374-8354/1/2/00108

- Raj, C. & Angadi, M. (2010). Hospital-based KAP study on Diabetes in Bijapur, Karnataka. *Indian Journal Of Medical Specialities*, 1(2). doi: 10.7713/ijms.2010.0022
- Ramdhana, R., Chikmawati, T., & Waluyo, E. B. (2015). Ethnomedical herb from Cikondang indigenous village, district Bandung West Java Indonesia. *J. Bio. and Env. Sci* 6 (2), 277-288.
- Rasul, F. B., Kalmus, O., Sarker, M., Adib, H. I., Hossain, M. S., Hasan, M. Z., Brenner, S., Nazneen, S., Islam, M. N., & De Allegri, M. (2019). Determinants of health seeking behavior for chronic non-communicable diseases and related out-of-pocket expenditure: results from a cross-sectional survey in northern Bangladesh. *Journal of Health, Population and Nutrition*, 38(1), 48. <https://doi.org/10.1186/s41043-019-0195-z>
- Regmi, K., Naidoo, J., Greer, A., & Pilkington, P. (2010). Understanding the effect of decentralisation on health services. *Journal Of Health Organization And Management* 24(4), 361-382. doi: 10.1108/14777261011064986
- Reyes-García V. (2010). The relevance of traditional knowledge systems for ethnopharmacological research: theoretical and methodological contributions. *Journal of ethnobiology and ethnomedicine*, 6, 32. <https://doi.org/10.1186/1746-4269-6-32>
- Reyes, R.L. (2009). *Ethnobotanical Study in Casma, Peru : The Important Knowledge of Ethnobotanicals from Local People*. Thesis. University of Texas-Pan American
- Rintala, T., Jaatinen, P., Paavilainen, E., & Åstedt-Kurki, P. (2013). Interrelation Between Adult Persons With Diabetes and Their Family. *Journal Of Family Nursing*, 19(1), 3-28. doi: 10.1177/1074840712471899.
- Rist, S. & Dahdouh-Guebas, F. (2006). Ethnoscience—A step towards the integration of scientific and indigenous forms of knowledge in the management of natural resources for the future. *Environ Dev Sustain* 8:467–493
- Rivier L., & Bruhn, J. G. (1979). Editorial. *J. Ethnopharmacol.* 1, 1. doi:10.1016/0378-8741(79)90013-8
- Rokx, C., Schieber, G., Harimurti, P., Tandon, A., & Somanathan, A. (2011). *Health Financing in Indonesia A Reform Road Map*. Washington DC: The World Bank.
- Roosita, K., Kusharto, C. M., Sekiyama, M., Fachrerozi, Y., & Ohtsuka, R. (2008). Medicinal Plants Used by the Villagers of a Sundanese Community in West Java, Indonesia. *Journal of Ethnopharmacology* 115 (1), 72-81.
- Ros, B., Lê, G., McPake, B., & Fustukian, S. (2018). The commercialization of traditional medicine in modern Cambodia. *Health Policy and Planning* 33 (1), 9-16.
- Rosendal, M., Jarbøl, D., Pedersen, A., & Andersen, R. (2013). Multiple perspectives on symptom interpretation in primary care research. *BMC Family Practice*, 14(1).
- Ruiz, M.E. (2010). Risks of self-medication practices. *Curr Drug Saf*;5:315-23.
- Saefullah, K. (2019). *Gintingan in Subang: An Indigenous Institution for Sustainable Community-Based Development in the Sunda Region of West Java, Indonesia*. PhD Dissertation. Leiden Ethnosystems and Development Programme (LEAD) Studies, No. 11. Leiden: Leiden University.
- Samuels, N. (2005). Herbal remedies and anticoagulant therapy. *Thrombosis and Haemostasis* 93 (01), 03-7.
- Schensul, S. L. (1999). Essential ethnographic methods: observations, interviews, and questionnaires (*Book 2 in Ethnographer's Toolkit*). Walnut Creek, CA: AltaMira Press.
- Schoen, C. & DesRoches C. (2000). Uninsured and unstably insured: the importance of continuous insurance coverage. *Health Services Research* 35(1 Pt 2), 187–206.
- Schröders, J., Wall, S., Hakimi, M., Dewi, F., Weinshall, L., Nichter, M., Nilsson, M., Kusnanto, H., Rahajeng, E., & Ng, N. (2017). How is Indonesia coping with its epidemic of chronic noncommunicable diseases? A systematic review with meta-analysis. *PloS one* 12 (6), e0179186. doi:10.1371/journal.pone.0179186

- Schuklenk, U., & R. Ashcroft. (2002). Affordable Access to Essential Medication in Developing Countries: Conflicts between Ethical and Economic Imperatives. *Journal of Medicine and Philosophy* 2(7), 179–195.
- Sclafer, J., Slamet, L.S., & De Visscher, G. (1997). Appropriateness of self-medication: Method development and testing in urban Indonesia. *J Clin Pharm Ther* 22, 26172.
- SEARO. (2016). *Indonesian Traditional Medicine National Strategy and Scope of Cooperation : Traditional Medicine of Republic Indonesia*. Available online at : http://www.searo.who.int/entity/medicines/topics/traditional_medicines_in_2017_of_indonesia.pdf
- Shafie, M., Eysu, M., Muzein, K., Worku, Y., & Martín-Aragón, S. (2018). Prevalence and determinants of self-medication practice among selected households in Addis Ababa community. *PLOS ONE*, 13(3), e0194122. doi: 10.1371/journal.pone.0194122.
- Shankar, P. R., Partha, P., & Shenoy, N. (2002). Self-medication and non-doctor prescription practices in Pokhara Valley, Western Nepal: A questionnaire-based study. *BMC Fam Pract* 3, 17.
- Sharp, K. (2005). *Squaring the “Q”? Methodological Reflection on A Study of Destitution in Ethiopia. Q-squared working paper no. 7*. Canada
- Shaw, J. E., Sicree, R. A., & Zimmet, P. Z. (2010). Global estimates of the prevalence of diabetes for 2010 and 2030. *Diabetes Research and Clinical Practice* 87 (1), 4-14, (<http://www.sciencedirect.com/science/article/pii/S016882270900432X>)
- Sheng-Ji, P. (2001). Ethnobotanical Approaches of Traditional Medicine Studies : Some Experiences From Asia. *Pharmaceutical Biology* 39 (sup1), 74-79. DOI: 10.1076/phbi.39.s1.74.0005
- Shih, C., Su, Y., & Liao, C. (2010). Patterns of medical pluralism among adults: results from the 2001 National Health Interview Survey in Taiwan. *BMC Health Serv Res* 10, 191.
- Short, M. E., Goetzel, R. Z., Pei, X., Tabrizi, M. J., Ozminkowski, R. J., Gibson, T. B., Dejoy, D. M., & Wilson, M. G. (2009). How accurate are self-reports? Analysis of self-reported health care utilization and absence when compared with administrative data. *Journal of occupational and environmental medicine*, 51(7), 786–796.
- Shrivastava, S.R.B., Shrivastava, P.S., & Ramasamy, J. (2013). Role of self-care in management of diabetes mellitus. *Journal of Diabetes & Metabolic Disorders* (12):14. Available online at: <http://www.jdmdonline.com/content/12/1/14>
- Shukla, S. & Gardner, J. (2006). Local knowledge in community-based approaches to medicinal plant conservation: lessons from India. *Journal of Ethnobiology and Ethnomedicine* 2 (20). Available online at : <http://www.ethnobiomed.com/content/2/1/20>
- Siddique, M., Islam, S., Banik, P. C., & Rawal, L. B. (2017). Diabetes knowledge and utilisation of health care services among patients with type 2 diabetes mellitus in Dhaka, Bangladesh. *BMC health services research* 17(1), 586. doi:10.1186/s12913-017-2542-3
- Silalahi, M., & Nisyawati, N. (2018). The ethnobotanical study of edible and medicinal plants in the home garden of Batak Karo sub-ethnic in North Sumatra, Indonesia. *Biodiversitas Journal of Biological Diversity* 19(1), 229-38.
- Silas, S.S. & Alfred, M. (2019). A Review of Plants Used Against Diabetes Mellitus by Bapedi and Vhavenda Ethnic Groups in the Limpopo Province, South Africa. *Asian Journal of Pharmaceutical and Clinical Research* 12 (10), 44-50,
- Sillitoe, P., Bicker, A., & Pottier, J. (2002). *Participating in Development: Approaches to Indigenous Knowledge*. Psychology Press
- Siminerio, L. & Mbanya, J.C. (2011). Translating diabetes research into global communities.
- Singer M. (2004) Critical Medical Anthropology. In: Ember C.R., Ember M. (eds) *Encyclopedia of Medical Anthropology*. Springer, Boston, MA

- Singer, M.& Baer, H.A. (2007). *Introducing Medical Anthropology: A Discipline in Action*. London, New York: Altamira Press
- Sirois, F. M. (2008). Motivations for consulting complementary and alternative medicine practitioners: A comparison of consumers from 1997-8 and 2005. *BMC Complementary and Alternative Medicine*, p.8-16.
- Sirri, Laura, Fava, G. A., & Sonino, N. (2013). The Unifying Concept of Illness Behavior. *Psychotherapy and Psychosomatics*, 82(2), 74–81. <https://doi.org/10.1159/000343508>
- Situmorang, R.O.P., H. Harianja, A., & Silalahi, J. (2015). Karo's Local Wisdom: The Use of Woody Plants for Traditional Diabetic Medicines. *Indonesian Journal of Forestry Research* 2 (2), 121-30.
- Skalli, S., Hassikou, R., & Arahou, M. (2019). An ethnobotanical survey of medicinal plants used for diabetes treatment in Rabat. *Morocco. Heliyon* 5 (3), e01421. doi:10.1016/j.heliyon.2019.e01421
- Slikkerveer, L. J. (1990). *Plural Medical Systems in the Horn of Africa: The Legacy of 'Sheikh' Hippocrates*. London: Kegan Paul International.
- Slikkerveer, L. J. (1997). The Objectives of LEAD and the Significance of Indigenous Knowledge in the Mediterranean Region. In V. H. Heywood & M. Skoula (Eds.), *Identification of Wild Food and Non-Food Plants of the Mediterranean Region* (pp. 17-21). Chania: CIHEAM.
- Slikkerveer, L. J. (1999a). Ethnobotanical Knowledge Systems and the Potential for the Sustainable Use of Wild Food and Non-Food Plants. In V. H. Heywood & M. Skoula, *Wild Food and Non-Food Plants: Information Networking* (pp. 37-44). Chania: CIHEAM.
- Slikkerveer, L. J. (1999b). Ethnoscience, 'TEK' and its Application to Conservation. In: D.A. Posey (ed.), *Cultural and Spiritual Values of Biodiversity: A Complementary Contribution to the Global Biodiversity Assessment*. London/Nairobi, Intermediate Technology Publications/United Nations Environment Programme (UNEP): pp. 169-177.
- Slikkerveer, L. J. (2003). 'Traditional Medical Systems and the Challenge of Validation: Towards a Model of Transcultural Medicinal Use in Indonesia', in: Quah, S.R. and L.J. Slikkerveer (Eds.) *Traditional Healing Systems: Negotiating Science and Technology Challenges. Indigenous Knowledge Systems Research and Development Studies* No.4, pp 37-56, Singapore, Leiden: LEAD Programme.
- Slikkerveer, L. J. & Dechering, W. H. J. C. (1995). LEAD: the Leiden Ethnosystems and Development Programme. In D. M. Warren, L. J. Slikkerveer & D. W. Broekensha (Eds.), *The Cultural Dimension of Development: Indigenous Knowledge Systems* (pp. 435-440). London: Intermediate Technology Publications Ltd.
- Slikkerveer, L. J. & Lionis, C. (2011). Assessment of the Extent of the OTC Problem Study Report. In *OTC SOCIOMED: Assessing the Over-the-Counter Medications in Primary care and Translating the Theory of Planned Behaviour into Interventions, Work Package 2 (No. 223654)*. Iraklion, Crete: University of Crete & Leiden: LEAD Programme.
- Slikkerveer, L. J. & Slikkerveer, M. K. L. (1995). Taman Obat Keluarga (TOGA): Indonesian Medicine for Self-Reliance. In D. M. Warren, L. J. Slikkerveer and D. W. Broekensha (Eds.), *The Cultural Dimension of Development: Indigenous Knowledge Systems* (pp.13-33). London: Intermediate Technology Publications Ltd.
- Slikkerveer, L. J., Baourakis, G., Saefullah, K. (ed) (2019). '*Integrated Community-Managed Development*'. Cooperative Management : Springer.
- Slikkerveer, L.J. (2006). The Challenge of Non-Experimental Validation of MAC Plants: Towards a Multivariate Model of Transcultural Communication on Medicinal, Aromatic and Cosmetic Plants, in: Bogers, R.J., L.E. Craker, and L. Dagmar (eds.) *Medicinal and Aromatic Plants, Agricultural, Commercial, Ecological, Legal, Pharmacological and Social Aspects*, Dordrecht, The Netherlands: Springer.

- Soewondo, P., Ferrario, A., & Tahapary, D. L. (2013). Challenges in diabetes management in Indonesia: a literature review. *Globalization and health* 9, 63. doi:10.1186/1744-8603-9-63
- Sparrow, R. & Vothknecht, M. (2012). *PODES Infrastructure Census 2011. Report on infrastructure supply readiness in Indonesia – Achievements and remaining gaps*. Jakarta: PSF Library (<http://psflibrary.org/catalog/>) repository/PODES Infrastructure Census 2011.pdf, accessed 7 November 2016.
- Ssenyange, C., Namulindwa, A., Oyik, B., & Ssebuliba, J. (2015). Plants used to manage type II diabetes mellitus in selected districts of central Uganda.. *African Health Sciences* 15 (2), 496.
- Stanifer, J. W., Patel, U. D., Karia, F., Thielman, N., Maro, V., Shimbi, D., & Boyd, D. (2015). The determinants of traditional medicine use in Northern Tanzania: a mixed-methods study. *PloS one*, 10(4), e0122638. doi: 10.1371/journal.pone.0122638
- Staten, L. K., Cutshaw, C. A., Davidson, C., Reinschmidt, K., Stewart, R., & Roe, D. J. (2012). Effectiveness of the Pasos Adelante chronic disease prevention and control program in a US-Mexico border community, 2005-2008. *Preventing chronic disease*, 9, E08.
- Statistics Indonesia. (2015). Statistical Yearbook of Indonesia. [http://www.bps.go.id/website/pdf_publikasi/Statistik-Indonesia-2015_rev.pdf] Indonesia [2014]. Accessed 7 May 2016.
- Stevenson, F. A., Britten, N., Barry, C. A., Bradley, C. P., & Barber, N. (2003). Self-treatment and its discussion in medical consultations: how is medical pluralism managed in practice? *Social Science & Medicine*. Vol. 57(3). p 513–527.
- Suchman, E. (1965). Stages of Illness and Medical care. *Journal of Health and Human Behavior*, 6(3), 114-128. doi:10.2307/2948694
- Surya, S., Salam, A.D., Tomy, D.V., Carla, B., Kumar, R.A., & Sunil, C. (2014). Diabetes mellitus and medicinal plants-a review. *Asian Pacific Journal of Tropical Disease*. Vol. 4 (5), p 337-47.
- Susanti, R. (2014). Enam penyakit serang korban banjir Bandung Selatan. Retrieved from <http://regional.kompas.com/read/2014/12/25/09112811/Enam.Penyakit.Serang.Korban.Banjir.Bandung.Selatan>
- Tabish, S. A. (2007). Is Diabetes Becoming the Biggest Epidemic of the Twenty-first Century?. *International journal of health sciences*, 1(2), V–VIII.
- Taek, M.M., Banilodu, L., Neonbasuc, G., Watu, Y. V., Prajogo E. W., & Agil, M. (2019). Ethnomedicine of Tetun ethnic people in West Timor Indonesia; philosophy and practice in the treatment of malaria. *Integrative Medicine Research* (8), 139–144
- Tipping, G., & Segall M. (1995). *Health care seeking behaviour in developing countries*. An annotated bibliography and literature review. In: Tipping G, Segall M, eds. Development Bibliography 12. Brighton: Institute of Development Studies, Sussex University.
- Tom-Orme, L. (1993). *Traditional beliefs and attitudes about diabetes among Navajos and Utes*. In *Diabetes As a Disease of Civilization: The Impact of Culture Change on Indigenous Peoples*. Joe JR, Young RS, Eds. New York, Mouton de Gruyter, 1993, p. 272–291.
- Tran, P., Tran, L., & Tran, L. (2019). Impact of rurality on diabetes screening in the US. *BMC Public Health* 19, 1190. doi:10.1186/s12889-019-7491-9.
- Trapp, C. & Levin, S. (2012). Preparing to Prescribe Plant-Based Diets for Diabetes Prevention and Treatment. *Diabetes Spectrum*, 25(1), 38-44. doi:10.2337/diaspect.25.1.38
- Trepanowski, J. & Bloomer, R. (2010). The impact of religious fasting on human health. *Nutrition Journal*, 9(1). doi: 10.1186/1475-2891-9-57
- Tripp-Reimer, T., Choi, E., Kelley, L.S., & Enslein, J.C. (2001). Cultural Barriers to care: Inverting the Problem. *Diabetes Spectrum* (1):14, p.13-22; DOI: 10.2337/diaspect.14.1.13

- Trisnantoro, L., Sanusi, R., Susanto, N., Fatimah, I., & Fuad, A. (2009). Surveillance: How can the system designed by the central government be implemented in the local levels? In: Trisnantoro L, editor. *Implementing health decentralization in Indonesia 2000–2007: Review of experience and future scenario*. Yogyakarta: BPFE.
- Tulunay, M., Aypak, C., Yikilkhan, H., & Gorpelioglu, S. (2015). Herbal medicine use among patients with chronic diseases. *Journal of intercultural ethnopharmacology*. Vol. 4(3), p 217–220. doi:10.5455/jice.20150623090040.
- Tuso P. (2014). Prediabetes and lifestyle modification: time to prevent a preventable disease. *The Permanente journal*. Vol. 18(3), p 88–93. doi:10.7812/TPP/14-002
- United Nations (UN). (2008). *Millennium Development Goals Indicators*. IN AFFAIRS, E. A. S. (Ed.). United Nation Statistics Division.
- United Nations Department of Economic and Social Affairs. (2017). *Household size and composition around the world*. Population Facts available online at : https://www.un.org/en/development/desa/population/publications/pdf/popfacts/PopFacts_2017-2.pdf
- Unnikrishnan, R., Pradeepa, R., Joshi, S., & Mohan, V. (2017). Type 2 Diabetes: Demystifying the Global Epidemic. *Diabetes*, 66(6), 1432-1442. doi: 10.2337/db16-0766
- Upadhyay, Y., Asselin, H. B., Emmanuel, K., Yadav, S., & Shrestha, K. (2010). Indigenous use and bio-efficacy of medicinal plants in the Rasuwa District, Central Nepal. *Journal of Ethnobiology and Ethnomedicine* 6, 3.
- Usman, S. D.S. Widhyharto, & A. Maika. (2010). Strategi Penciptaan Pelayanan Kesehatan Dasar unstuck Kemudahan Akses Penduduk Desa Miskin, *Jurnal Ilmu Sosial dan Ilmu Politik* 13(3), 325-352.
- van Dam, H.A., van der Horst, F.G., Knoops, L., & van den Borne, B.H. (2005). *Social support in diabetes: a systematic review of controlled intervention studies*. In: Database of Abstracts of Reviews of Effects (DARE): Quality-assessed Reviews [Internet]. York (UK): Centre for Reviews and Dissemination (UK); 1995-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK71756/>
- van der Geest, S. (1997). Is there a role for traditional medicine in basic health services in Africa? A plea for a community perspective. *Tropical Medicine & International Health : TM & IH*, 2(9), 903–911. <https://doi.org/10.1046/j.1365-3156.1997.d01-410.x>
- Vecchio, I., Tornali, C., Bragazzi, N.L., & Martini, M. (2018). The Discovery of Insulin: An Important Milestone in the History of Medicine. *Frontiers in Endocrinology*, 9, 613.
- Venkataraman, K., Kannan, A. T., & Mohan, V. (2009). Challenges in diabetes management with particular reference to India. *International journal of diabetes in developing countries*, 29(3), 103–109. doi:10.4103/0973-3930.54286
- Vogler, B.K. & Ernst, E. (1999). *Aloe vera* a systematic review of its clinical effectiveness. *Br. J. Gen. Practice*. Vol. 49. P 823-828.
- Von Lewinski, S. (2004). Introduction. In: Von Lewinski, S. (ed.) *Indigenous heritage and intellectual property: genetic resources, traditional knowledge and folklore*. The Hague: Kluwer Law International.
- Votova, K.(2012). *The Medical Pluralism Paradigm: Examining Patterns of Use across Conventional, Complementary and Public Health care Systems among Canadians aged 50 and older*. Dissertation. University of Victoria
- Vyvey, M. (2010). Steroids as pain relief adjuvants. *Canadian Family Physician*. Vol 56.
- Wagner, E.H., Sandhu, N., Newton, K.M., McCulloch, D.K., Ramsey, S.D., Grothaus, L.C. (2001). Effect of Improved Glycemic Control on Health care Costs and Utilization. *JAMA*. Vol. 285(2). p 182–189. doi:10.1001/jama.285.2.182

- Wahid, A., Manek, N., Nichols, M., Kelly, P., Foster, C., & Webster, P. (2016). Quantifying the Association Between Physical Activity and Cardiovascular Disease and Diabetes: A Systematic Review and Meta-Analysis. *Journal Of The American Heart Association* 5 (9). doi: 10.1161/jaha.115.002495
- Walker, R. J., Smalls, B. L., & Egede, L. E. (2015). Social determinants of health in adults with type 2 diabetes--Contribution of mutable and immutable factors. *Diabetes research and clinical practice*. Vol. 110 (2), p 193–201. doi:10.1016/j.diabres.2015.09.007
- Waluyo, E.B. (2004). Pengumpulan Data Etnobotani. *Di dalam: Rugayah, Widjaja EA, Praptiwi, editor. Pedoman Pengumpulan Data Keanekaragaman Flora.* Pusat Penelitian Biologi-LIPI, Bogor
- Wareham, N. J. & Herman, W. H. (2016). The Clinical and Public Health Challenges of Diabetes Prevention: A Search for Sustainable Solutions. *PLoS medicine*. Vol. 13 (7), e1002097. doi:10.1371/journal.pmed.1002097
- Warren, D. M., Slikkerveer, L. J. & Brokensha, D. W. (Eds.) (1995). *The Cultural Dimension of Development: Indigenous Knowledge Systems*. London: Intermediate Technology Publications Ltd.
- Website of the World Diabetes Foundation. Diabetes nurses WDF11-586. Available online at : <http://www.worlddiabetesfoundation.org/projects/indonesia-wdf11-586>
- Website of the World Diabetes Foundation. Prevention and control of diabetes WDF08-328. Available online at : <http://www.worlddiabetesfoundation.org/projects/indonesia-wdf08-328>
- Website of the World Health Organization. (2010). *Indonesia - NCD profile*. Available online at : http://www.who.int/nmh/countries/idn_en.pdf, [Accessed 14.12.2016]
- West Java Province Government. (2011). Population in West Java 2010-2011. Available online at : <http://jabarprov.go.id/index.php/pages/id/75>
- Widayanti, A., Heydon, S., Norris, P., & Green, J. (2019). Lay perceptions and illness experiences of people with type 2 diabetes in Indonesia: a qualitative study. *Health Psychology And Behavioural Medicine*, 8(1), 1-15. doi: 10.1080/21642850.2019.1699101
- Wild, S. H., Roglic G., Sicree R., Green A & King H. (2004). Global Prevalence of Diabetes : Estimates for the Year 2000 and Projections for 2030. *Diabetes care* 27, 1047–1053. Available online at <http://www.who.int/diabetes/facts/en/diabcare0504.pdf>
- Winkelman, M. (2008). *Culture and Health: Applying Medical Anthropology*. John Wiley and Sons, Inc.
- Winters, C. A., S. A. Cudney, T. Sullivan, & A. Thuesen. (2006). The Rural Context and Women's Self-Management of Chronic Health Conditions. *Chronic Illness* 2, 273-289.
- Wong, C. (1992). *Models of prevention/management programs targeted to specific ethnic elders: Chinatown health center*. In Diabetes Among Elders: Ethnic Considerations. Llorens LA, Hikoyeda N, Yeo G, Eds. Stanford, Calif., Stanford Geriatric Education Center, 1992, p.70–72
- World Self Medication Industry. (2009). *Benefits of Responsible Self Medication*. Available online at : <http://www.wsni.org/publications.htm> (Accessed on 27/03/2011)
- World Health Organisation (2002a). *WHO Traditional Medicine Strategy 2002-2005*. Geneva.
- World Health Organization Expert Committee on Diabetes Mellitus. (1980). *Second Report. Technical Report Series 646*. Geneva: WHO
- World Health Organization Regional Office for South-east Asia. (2017). *The Republic of Indonesia Health System Review, Health Systems in Transition, Vol-7 No.1*. New Dehli : WHO
- World Health Organization. (2000). *Guidelines for the regulatory assessment of medicinal products for use in self-medication*. Geneva: WHO.

- World Health Organization. (2002). *Traditional Medicine – Growing Needs and Potential. WHO Policy Perspectives on Medicines*. Geneva: WHO.
- World Health Organization. (2003). *Traditional Medicine*. Available online at <http://www.who.int/mediacentre/factsheets/fs134/en/> [accessed on 12 July 2016]
- World Health Organization. (2005). *Preventing Chronic Diseases: A Vital Investment*. Available: http://www.who.int/chp/chronic_disease_report/en/.
- World Health Organization. (2007). *A conceptual framework for action on social determinants of health*. Available online at: https://www.who.int/social_determinants/resources/csdh_framework_action_05_07.pdf
- World Health Organization. (2011). *Noncommunicable Diseases (NCD) Country Profiles*. Available online at : https://www.who.int/nmh/publications/ncd_profiles2011/en/
- World Health Organization. (2013). Traditional Medicine Strategy 2014–2023. World Health Organization, Geneva. http://apps.who.int/iris/bitstream/10665/92455/1/9789241506090_eng.pdf?ua=1. Accessed 27 September 2017
- World Health Organization. (2014). *Global status report on noncommunicable diseases 2014: “Attaining the nine global noncommunicable diseases targets; a shared responsibility”* [Internet]. Available online at : http://apps.who.int/iris/bitstream/10665/148114/1/9789241564854_eng.pdf?ua=1
- World Health Organization. (2016). *Global Report on Diabetes* Available online at : https://apps.who.int/iris/bitstream/handle/10665/204871/9789241565257_eng.pdf?sequence=1 [accessed on 18 July 2016]
- World Health Organization. (2018). *Noncommunicable Diseases (NCD) Country Profiles*. Available online at : <https://www.who.int/nmh/publications/ncd-profiles-2018/en/>
- Xu, H., & Chen, K. J. (2011). Integrating traditional medicine with biomedicine towards a patient-centered health care system. *Chinese Journal of Integrative Medicine*, Vol. 17(2), p 83-84.
- Yeten, M. H., Houessou, L. G., Lougbegnon, T. O., Teka, O., & Tente, B. (2013). Ethnobotanical study of medicinal plants used for the treatment of malaria in plateau of Allada, Benin (West Africa). *J. Ethnopharmacol*, Vol. 146 (1), p 154–163.
- Yongchaiyudha, S., Rungpitartangsi, V., Bunyapraphatsara, N., & Chokechaijaroenporn, O. (1996). Antidiabetic activity of Aloe vera L. juice. I. Clinical trial in new cases of diabetes mellitus. *Phytomedicine*, Vol. 3 (3), p 241-3.
- Young, A. (1990). (Mis)applying Medical Anthropology in Multicultural Settings. *Santé Culture Health*, VII, 2-3: 257-285
- Young, J. C. (1991). *Medical Choice in a Mexican Village*. New Brunswick, N.J: Rutgers University Press.
- Young, J. T. (2004). Illness behaviour: a selective review and synthesis. *Sociology of Health and Illness*, 26(1), 1–31. <https://doi.org/10.1111/j.1467-9566.2004.00376.x>
- Yuan, F., Qian, D., Huang, C., Tian, M., Xiang, Y., He, Z., & Feng, Z. (2015). Analysis of awareness of health knowledge among rural residents in Western China. *BMC Public Health*, 15(1). doi: 10.1186/s12889-015-1393-2.
- Yuan, H. Ma, Q., Ye, L. & Piao, G. (2016). The Traditional Medicine and Modern Medicine from Natural Products. *Molecules* (21) 559; doi:10.3390/molecules21050559
- Yumarma, A. (1996). *Unity in Diversity : A Philosophical and Ethnical Study of the Javanese concept of Keselarasan*. Rome : Gregorian Biblical.
- Yusro, F., Mariani, Y., Diba, F., & Ohtani, K. (2014). Inventory of Medicinal Plants for Fever Used by Four Dayak Sub Ethnic in West Kalimantan, Indonesia. *Kuroshio Science*, vol. 8-1, p. 33-38
- Zaenuddin, D. (2005). Medical Practices in Contemporary Society. *Jurnal Masyarakat dan Budaya*, 7(2), 1-18.

- Zhang, H. Y., Chen, L. L., Li, X. J., & Zhang, J. (2010). Evolutionary Inspirations for Drug Discovery. *Trends Pharmacol. Sci* 31.
- Zimmet, P., Alberti, K. & Shaw, J. (2001). Global and societal implications of the diabetes epidemic. *Nature* 414, 782–787. <https://doi.org/10.1038/414782a>

