

References

- Abbasi, M., Maleki, A., Ebrahimi, L., & Molaei, B. (2022). Effects of supportive counseling using a positive psychology approach on coping patterns among pregnant women with nausea and vomiting. *BMC pregnancy and childbirth*, 22(1), 259. <https://doi.org/10.1186/s12884-022-04603-4>
- Abu-Saad, K., & Fraser, D. (2010). Maternal nutrition and birth outcomes. *Epidemiologic reviews*, 32, 5–25. <https://doi.org/10.1093/epirev/mxq001>
- Abreu, S., Santos, P. C., Montenegro, N., & Mota, J. (2017). Relationship between dairy product intake during pregnancy and neonatal and maternal outcomes among Portuguese women. *Obesity research & clinical practice*, 11(3), 276–286. <https://doi.org/10.1016/j.orcp.2016.07.001>
- ACOG. (2021, August). *How much weight should I gain during pregnancy?* ACOG. Retrieved March 6, 2025, from <https://www.acog.org/womens-health/experts-and-stories/ask-acog/how-much-weight-should-i-gain-during-pregnancy>
- Adams, J. B., Kirby, J. K., Sorensen, J. C., Pollard, E. L., & Audhya, T. (2022). Evidence based recommendations for an optimal prenatal supplement for women in the US: vitamins and related nutrients. *Maternal health, neonatology and perinatology*, 8(1), 4. <https://doi.org/10.1186/s40748-022-00139-9>
- Adello, E., Ergena, A., Emiru, Y., Ayele, S., & Muche, H. (2023). Dietary supplements intake during pregnancy among pregnant women in Ethiopia. *International Journal of Women's Health*, 15. <https://doi.org/10.2147/IJWH.S388656>

- Agustina, R., Rianda, D., Lasepa, W., Birahmatika, F. S., Stajic, V., & Mufida, R. (2023). Nutrient intakes of pregnant and lactating women in Indonesia and Malaysia: Systematic review and meta-analysis. *Frontiers in nutrition*, 10, 1030343. <https://doi.org/10.3389/fnut.2023.1030343>
- Akgun, N., Keskin, H. L., Ustuner, I., Pekcan, G., & Avsar, A. F. (2017). Factors affecting pregnancy weight gain and relationships with maternal/fetal outcomes in Turkey. *Saudi medical journal*, 38(5), 503–508. <https://doi.org/10.15537/smj.2017.5.19378>
- Alya, N., Isdiany, N., Moviana, Y., Agustina, A., & Saleky, Y. (2021). Pengaruh pemberian es krim kurma terhadap tekanan darah kelompok dewasa penderita prehipertensi. *Diploma thesis, Politeknik Kesehatan Kemenkes Bandung*. <https://repo.poltekkesbandung.ac.id/2672/>
- American College of Obstetricians and Gynecologists. (2023). *Weight Gain During Pregnancy*. ACOG. Retrieved February 4, 2025, from <https://www.acog.org/clinical/clinical-guidance/committee-opinion/articles/2013/01/weight-gain-during-pregnancy>
- Astuti, T., Sitompul, M., & Faadhilanisyah, A. (2023). Tempeh consumption patterns in Indonesian family and contribution nutritional adequacy. *AcTion Aceh Nutrition Journal*, 8(4). 10.30867/action.v8i4.1006
- Attard CL, Kohli MA, Coleman S, Bradley C, Hux M, Atanackovic G, Torrance GW. The burden of illness of severe nausea and vomiting of pregnancy in the United States. *Am J Obstet Gynecol*. 2002 May;186(5 Suppl Understanding):S220-7. doi: 10.1067/mob.2002.122605. PMID: 12011890.

- Baiti, A., Fachrie, M., & Diwandari, S. (2023). Classification of beef and pork images based on color features and pseudo nearest neighbor rule. *ELINVO (Electronics, Informatics, and Vocational Education)*, 8(2). <https://doi.org/10.21831/elinvo.v8i2.64810>
- Baranowski, T., & Willett, W. (2012). Nutritional epidemiology. *Monographs in Epidemiology and Biostatistics*. Oxford University Press, 49-69.
- Bela, S., & Mollet, G. (2024). Study of characteristic, nutritional status and consumption of protein food sources among pregnant women in Jayapura Regency. *SAGO*, 5(3b). <http://dx.doi.org/10.30867/gikes.v5i3b.1855>
<https://ejournal.poltekkesaceh.ac.id/index.php/gikes>
- Bell, M. L., Kenward, M. G., Fairclough, D. L., & Horton, N. J. (2013). Differential dropout and bias in randomised controlled trials: when it matters and when it may not. *BMJ (Clinical research ed.)*, 346, e8668. <https://doi.org/10.1136/bmj.e8668>
- Bello, C. B., Esan, D. T., Akerele, S. A., & Fadare, R. I. (2022). Maternal health literacy, utilisation of maternal healthcare services and pregnancy outcomes among newly delivered mothers: A cross-sectional study in Nigeria. *Public health in practice (Oxford, England)*, 3, 100266. <https://doi.org/10.1016/j.puhip.2022.100266>
- Bijani, A., Esmaili, H., Ghadimi, R., Babazadeh, A., Rezaei, R., G Cumming, R., & Hosseini, S. R. (2018). Development and validation of a Semi-quantitative food frequency questionnaire among older people in north of Iran. *Caspian journal of internal medicine*, 9(1), 78–86. <https://doi.org/10.22088/cjim.9.1.78>
- Blumfield, M. L., Schreurs, M., Rollo, M. E., MacDonald-Wicks, L. K., Kokavec, A., & Collins, C. E. (2016). The association between portion size, nutrient intake and gestational weight gain: a secondary analysis in the WATCH study 2006/7. *Journal of human*

- nutrition and dietetics : the official journal of the British Dietetic Association*, 29(3), 271–280. <https://doi.org/10.1111/jhn.12330>
- Brown, B., & Wright, C. (2020). Safety and efficacy of supplements in pregnancy. *Nutrition reviews*, 78(10), 813–826. <https://doi.org/10.1093/nutrit/nuz101>
- Brown, J. E. (2016). *Nutrition Through the Life Cycle*. Cengage Learning.
- Broskey, N. T., Wang, P., Li, N., Leng, J., Li, W., Wang, L., Gilmore, L. A., Hu, G., & Redman, L. M. (2017). Early Pregnancy Weight Gain Exerts the Strongest Effect on Birth Weight, Posing a Critical Time to Prevent Childhood Obesity. *Obesity (Silver Spring, Md.)*, 25(9), 1569–1576. <https://doi.org/10.1002/oby.21878>
- Brunst, K. J., Kannan, S., Ni, Y. M., Gennings, C., Ganguri, H. B., & Wright, R. J. (2016). Validation of a Food Frequency Questionnaire for Estimating Micronutrient Intakes in an Urban US Sample of Multi-Ethnic Pregnant Women. *Maternal and child health journal*, 20(2), 250–260. <https://doi.org/10.1007/s10995-015-1824-9>
- Chelsea and Westminster Hospital NHS Foundation Trust. (2025). *Nausea and vomiting in pregnancy—hyperemesis gravidarum — Chelsea and Westminster Hospital NHS Foundation Trust*. Chelsea and Westminster Hospital. Retrieved February 25, 2025, from <https://www.chelwest.nhs.uk/your-visit/patient-leaflets/womens-services/nausea-and-vomiting-in-pregnancy-hyperemesis-gravidarum>
- Choi, H. J., Bae, Y. J., Choi, J. S., An, H. S., Hong, D. S., Yun, J. S., & Han, J. Y. (2018). Evaluation of nausea and vomiting in pregnancy using the Pregnancy-Unique Quantification of Emesis and Nausea scale in Korea. *Obstetrics and Gynecology Science*, 61(1). <https://doi.org/10.5468/ogs.2018.61.1.30>

- Chortatos, A., Haugen, M., Iversen, P. O., Vikanes, Å., Magnus, P., & Veierød, M. B. (2013). Nausea and vomiting in pregnancy: associations with maternal gestational diet and lifestyle factors in the Norwegian Mother and Child Cohort Study. *BJOG : an international journal of obstetrics and gynaecology*, 120(13), 1642–1653. <https://doi.org/10.1111/1471-0528.12406>
- Crozier, S. R., Inskip, H. M., Godfrey, K. M., Cooper, C., Robinson, S. M., & SWS Study Group (2017). Nausea and vomiting in early pregnancy: Effects on food intake and diet quality. *Maternal & child nutrition*, 13(4), e12389. <https://doi.org/10.1111/mcn.12389>
- Damayanti, R., & Rimbawan, R. (2016). Pengetahuan, persepsi, dan sikap ibu hamil terhadap klaim gizi kaitannya dengan keputusan pembelian produk susu ibu hamil. *J. Gizi Pangan*, 11(1). <http://download.garuda.kemdikbud.go.id/article.php?article=1313276&val=199&title=PENGETAHUAN%20PERSEPSI%20DAN%20SIKAP%20IBU%20HAMIL%20TERHADAP%20KLAIM%20GIZI%20KAITANNYA%20DENGAN%20KEPUTUSAN%20PEMBELIAN%20PRODUK%20SUSU%20IBU%20HAMIL>
- Day, L., Cakebread, J., & Loveday, S. (2022). Food proteins from animals and plants: Differences in the nutritional and functional properties. *Trends in Food Science & Technology*, 119. <https://doi.org/10.1016/j.tifs.2021.12.020>
- Ebrahimi, N., Maltepe, C., Bournissen, F. G., & Koren, G. (2009). Nausea and vomiting of pregnancy: using the 24-hour Pregnancy-Unique Quantification of Emesis (PUQE-24) scale. *Journal of obstetrics and gynaecology Canada : JOGC = Journal d'obstetrique et gynecologie du Canada : JOGC*, 31(9), 803–807. [https://doi.org/10.1016/S1701-2163\(16\)34298-0](https://doi.org/10.1016/S1701-2163(16)34298-0)

- Ebrahimi, N., Maltepe, C., & Einarson, A. (2010). Optimal management of nausea and vomiting of pregnancy. *International journal of women's health*, 2, 241–248. <https://doi.org/10.2147/ijwh.s6794>
- EFSA Panel on Dietetic Products, Nutrition and Allergies (NDA), Turck, D., Bresson, J. L., Burlingame, B., Dean, T., Fairweather-Tait, S., Heinonen, M., Hirsch-Ernst, K. I., Mangelsdorf, I., McArdle, H. J., Naska, A., Nowicka, G., Pentieva, K., Sanz, Y., Siani, A., Sjödin, A., Stern, M., Tomé, D., Van Loveren, H., Vinceti, M., ... Neuhäuser-Berthold, M. (2017). Dietary reference values for vitamin K. *EFSA journal. European Food Safety Authority*, 15(5), e04780. <https://doi.org/10.2903/j.efsa.2017.4780>
- Elango, R., & Ball, R. O. (2016). Protein and amino acid requirements during pregnancy. *Advances in Nutrition*, 7(4). <https://doi.org/10.3945/an.115.011817>
- Emmott E. H. (2024). Re-examining the adaptive function of nausea and vomiting in pregnancy. *Evolution, medicine, and public health*, 12(1), 97–104. <https://doi.org/10.1093/emph/eoae012>
- Erick, M., Cox, J. T., & Mogensen, K. M. (2018). ACOG Practice Bulletin 189: Nausea and Vomiting of Pregnancy. *Obstetrics and gynecology*, 131(5), 935. <https://doi.org/10.1097/AOG.0000000000002604>
- Eunice Kennedy Shriver National Institute of Child Health and Human Development. (2024, May 29). *About Pregnancy | NICHD - Eunice Kennedy Shriver National Institute of Child Health and Human Development*. National Institute of Child Health and Human Development. Retrieved February 25, 2025, from <https://www.nichd.nih.gov/health/topics/pregnancy/conditioninfo>
- Faridi, A., Trisutrisno, I., Irawan, A., Lusiana, S., Alfiah, E., Rahmawati, L., Doloksaribu, L., Yunianto, S., & Sinaga, T. (2022). *Survei Konsumsi Gizi*. Yayasan Kita Menulis.

http://repository.uhamka.ac.id/id/eprint/14474/1/FullBook%20Survei%20Konsumsi%20Gizi%20_April%202022.pdf

FDA. (2024, July 30). *Dietary Advice Before and During Pregnancy*. FDA. Retrieved January 22, 2025, from <https://www.fda.gov/food/people-risk-foodborne-illness/dietary-advice-and-during-pregnancy>

Fejzo, M. S., Sazonova, O. V., Sathirapongsasuti, J. F., Hallgrímsdóttir, I. B., Vacic, V., MacGibbon, K. W., ... & Slamon, D. J. (2018). Placenta and appetite genes GDF15 and IGFBP7 are associated with hyperemesis gravidarum. *Nature Communications*, 9(1), 1–9. <https://doi.org/10.1038/s41467-018-03258-0>

Fejzo, M. S., Trovik, J., Grooten, I. J., Sridharan, K., Roseboom, T. J., Vikanes, Å., Painter, R. C., & Mullin, P. M. (2019). Nausea and vomiting of pregnancy and hyperemesis gravidarum. *Nature reviews. Disease primers*, 5(1), 62. <https://doi.org/10.1038/s41572-019-0110-3>

Fiaschi, L., Nelson-Piercy, C., Gibson, J., Szatkowski, L., & Tata, L. J. (2018). Adverse Maternal and Birth Outcomes in Women Admitted to Hospital for Hyperemesis Gravidarum: a Population-Based Cohort Study. *Paediatric and perinatal epidemiology*, 32(1), 40–51. <https://doi.org/10.1111/ppe.12416>

Flaxman, S. M., & Sherman, P. W. (2000). Morning sickness: a mechanism for protecting mother and embryo. *The Quarterly Review of Biology*, 75(2), 113–148. <https://doi.org/10.1086/393377>

Gangakhedkar, G., & Kulkarni, A. (2021). Physiological changes in pregnancy. *Indian Journal of Critical Care Medicine*, 25(3). 10.5005/jp-journals-10071-24039

- Gao H. Amino Acids in Reproductive Nutrition and Health. *Adv Exp Med Biol.* 2020;1265:111-131. doi: 10.1007/978-3-030-45328-2_7. PMID: 32761573; PMCID: PMC9788905.
- Garite, T. J., & Kim, M. H. (2009). The state of the American Journal of Obstetrics & Gynecology: 2009. *American journal of obstetrics and gynecology*, 201(1), 1. <https://doi.org/10.1016/j.ajog.2009.05.043>
- Geiker, N., Magkos, F., Ziegenberg, H., Svare, J., Chabanova, E., Thomsen, H., Ritz, C., & Astrup, A. (2022). A high-protein low-glycemic index diet attenuates gestational weight gain in pregnant women with obesity: the “An optimized programming of healthy children” (APPROACH) randomized controlled trial. *The American Journal of Clinical Nutrition*, 115(3). <https://doi.org/10.1093/ajcn/nqab405>
- Gibson RS (2005). *Principles of nutritional assessment*. Oxford University Press, New York.
- Gibson, R., & Ferguson, E. (2008). An Interactive 24-Hour Recall for Assessing the Adequacy of Iron and Zinc Intakes in Developing Countries. *Harvest Plus Technical Monograph*, 8. <https://www.scirp.org/reference/referencespapers?referenceid=3640931>
- Goldstein, R. F., Abell, S. K., Ranasinha, S., Misso, M., Boyle, J. A., Black, M. H., Li, N., Hu, G., Corrado, F., Rode, L., Kim, Y. J., Haugen, M., Song, W. O., Kim, M. H., Bogaerts, A., Devlieger, R., Chung, J. H., & Teede, H. J. (2017). Association of Gestational Weight Gain With Maternal and Infant Outcomes: A Systematic Review and Meta-analysis. *JAMA*, 317(21), 2207–2225. <https://doi.org/10.1001/jama.2017.3635>
- Hadi, H., & Irwanti, W. (2020). High deficit in nutrient intakes was associated with poor nutritional status of pregnant women: a study from Eastern Indonesia. *Current Developments in Nutrition*, 4(2). https://doi.org/10.1093/cdn/nzaa043_050

- Herring, C. M., Bazer, F. W., Johnson, G. A., & Wu, G. (2018). Impacts of maternal dietary protein intake on fetal survival, growth, and development. *Experimental biology and medicine* (Maywood, N.J.), 243(6), 525–533. <https://doi.org/10.1177/1535370218758275>
- Institute of Medicine (US) Committee. (1990). Nutrition During Pregnancy: Part I Weight Gain: Part II Nutrient Supplements. In *Nutritional Status During Pregnancy and Lactation*. National Academies Press (US). <https://www.ncbi.nlm.nih.gov/books/NBK235221/>
- Intan, N. R., & Guricci, S. (2008). Faktor-faktor yang berhubungan dengan obesitas berdasarkan persen lemak tubuh pada remaja di Sma it Nurul Fikri Depok Tahun 2008. *UI - Skripsi Open*. <https://lib.ui.ac.id/detail?id=123610&lokasi=lokal>
- Jayawardena, R., Majeed, S., Sooriyaarachchi, P., Abeywarne, U., & Ranaweera, P. (2023). The effects of pyridoxine (vitamin B6) supplementation in nausea and vomiting during pregnancy: a systematic review and meta-analysis. *Archives of gynecology and obstetrics*, 308(4), 1075–1084. <https://doi.org/10.1007/s00404-023-06925->
- Josefson, J., Simons, H., Zeiss, D., & Metzger, B. (2016). Excessive gestational weight gain in the first trimester among women with normal glucose tolerance and resulting neonatal adiposity. *J Perinatol.*, 36(12). 10.1038/jp.2016.14
- Junandar, C., Wittiarika, I., Utomo, B., & Ernawati, E. (2020). The relationship of social support with the degree of nausea and vomiting in pregnancy. *Indonesian Midwifery and Health Sciences*, 4(1). <https://doi.org/10.20473/imhsj.v4i1.2020.26-32> Authors
- Kalbe. (2025). *PRENAGEN Emesis, Susu Ibu Hamil untuk Atasi Mual dan Muntah*. Prenagen. Retrieved April 21, 2025, from <https://www.prenagen.com/id/produk-kami/prenagen-emesis>

- Karimbeiki, R., Pourmasoumi, M., Feizi, A., Abbasi, B., Hadi, A., Rafie, N., & Safavi, S. M. (2018). Higher dietary diversity score is associated with obesity: a case-control study. *Public health*, 157, 127–134. <https://doi.org/10.1016/j.puhe.2018.01.028>
- Keller, J., Frederking, D., & Layer, P. (2008). The spectrum and treatment of gastrointestinal disorders during pregnancy. *Nature clinical practice. Gastroenterology & hepatology*, 5(8), 430–443. <https://doi.org/10.1038/ncpgasthep1197>
- Kennedy, G., Ballard, T., & Dop, M. (2011). *Guidelines for measuring household and individual dietary diversity*. FAO;.
- Khusun, H., Februhartanty, J., Anggraini, R., Mognard, E., Alem, Y., Noor, M., Karim, N., Laporte, C., Poulaine, J.-P., Monsivais, P., & Drewnowski, A. (2022). Animal and plant protein food sources in Indonesia differ accross socio-demographic groups: socio-cultural research in proteint transition in Indonesia and Malaysia. *Frontiers in Nutrition*, 9. <https://doi.org/10.3389/fnut.2022.762459>
- Kosus, A., Eser, A., Kosus, N., Usluogullari, B., & Hizli, D. (2016). Hyperemesis gravidarum and its relation with maternal body fat composition. *Journal of obstetrics and gynaecology : the journal of the Institute of Obstetrics and Gynaecology*, 36(6), 822–826. <https://doi.org/10.3109/01443615.2016.1157153>
- Koren, G., Boskovic, R., Hard, M., Maltepe, C., Navioz, Y., & Einarson, A. (2002). Motherisk-PUQE (pregnancy-unique quantification of emesis and nausea) scoring system for nausea and vomiting of pregnancy. *American journal of obstetrics and gynecology*, 186(5 Suppl Understanding), S228–S231. <https://doi.org/10.1067/mob.2002.1230>
- Kotani, T., & Tano, S. (2023). Long-term effects of gestational weight gain on mortality. *The Lancet*, 402(10415).

[https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(23\)01837-8/abstract](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(23)01837-8/abstract)

- Lacasse, A., Rey, E., Ferreira, E., Morin, C., & Bérard, A. (2008). Validity of a modified Pregnancy-Unique Quantification of Emesis and Nausea (PUQE) scoring index to assess severity of nausea and vomiting of pregnancy. *American journal of obstetrics and gynecology*, 198(1), 71.e1–71.e717. <https://doi.org/10.1016/j.ajog.2007.05.051>
- Lacasse, A., Rey, E., Ferreira, E., Morin, C., & Bérard, A. (2009). Epidemiology of nausea and vomiting of pregnancy: prevalence, severity, determinants, and the importance of race/ethnicity. *BMC pregnancy and childbirth*, 9, 26. <https://doi.org/10.1186/1471-2393-9-26>
- Lacroix, R., Eason, E., & Melzack, R. (2000). Nausea and vomiting during pregnancy: A prospective study of its frequency, intensity, and patterns of change. *American journal of obstetrics and gynecology*, 182(4), 931–937. [https://doi.org/10.1016/s0002-9378\(00\)70349-8](https://doi.org/10.1016/s0002-9378(00)70349-8)
- Lagiou, P., Tamimi, R. M., Mucci, L. A., Adami, H. O., Hsieh, C. C., & Trichopoulos, D. (2004). Diet during pregnancy in relation to maternal weight gain and birth size. *European journal of clinical nutrition*, 58(2), 231–237. <https://doi.org/10.1038/sj.ejcn.1601771>
- Laitinen, L., Nurmi, M., Kulovuori, N., Koivisto, M., Ojala, E., Rautava, P., & Polo-Kantola, P. (2022). Usability of Pregnancy-Unique Quantification of Emesis questionnaire in women hospitalised for hyperemesis gravidarum: a prospective cohort study. *BMJ Open*. <https://doi.org/10.1136/bmjopen-2021-05836>
- Lalo, H. (2023). Gambaran pola konsumsi dan status gizi penderita gastritis di Puskesmas 1 Denpasar Timur. *Diploma Thesis Poltekkes Kemenkes Denpasar Jurusan Gizi*. <https://repository.poltekkes-denpasar.ac.id/11218/>

- Lee, N. M., & Saha, S. (2011). Nausea and vomiting of pregnancy. *Gastroenterology clinics of North America*, 40(2), 309–vii. <https://doi.org/10.1016/j.gtc.2011.03.009>
- Liu, C., Zhao, G., Qiao, D., Wang, L., He, Y., Zhao, M., Fan, Y., & Jiang, E. (2022). Emerging Progress in Nausea and Vomiting of Pregnancy and Hyperemesis Gravidarum: Challenges and Opportunities. *Frontiers in medicine*, 8, 809270. <https://doi.org/10.3389/fmed.2021.809270>
- Marshall, N., Abrams, B., Barbour, L., Catalano, P., Christian, P., Friedman, J., Jr., W., Hernandez, T., Krebs, N., Oken, E., Purnell, J., Roberts, J., Soltani, H., Wallace, J., & Thornburg, K. (2022). The importance of nutrition in pregnancy and lactation: lifelong consequences. *Am J Obstet Gynecol.*, 226(5). 10.1016/j.ajog.2021.12.035
- Maslova, E., Halldorson, T., Setrup, A., & Olsen, S. (2015). Dietary protein-to-carbohydrate ratio and added sugar as determinants of excessive gestational weight gain: a prospective cohort study. *BMJ Journals*. 10.1136/bmjopen-2014-005839
- Maslova, E., Rytter, D., Bech, B. H., Henriksen, T. B., Rasmussen, M. A., Olsen, S. F., & Halldorsson, T. I. (2014). Maternal protein intake during pregnancy and offspring overweight 20 y later. *The American journal of clinical nutrition*, 100(4), 1139–1148. <https://doi.org/10.3945/ajcn.113.082222>
- Maulidiyah, E. N. (2023). Pengaruh edukasi gizi menggunakan media e-booklet tentang obesitas terhadap pengetahuan dan sikap gizi, serta perilaku makan remaja. *Thesis Diploma, Poltekkes Malang*. https://perpus-utama.poltekkes-malang.ac.id/assets/file/kti/P17111193081/17._Lampiran_.pdf

- Menteri Kesehatan Republik Indonesia. (2019). *PERATURAN MENTERI KESEHATAN REPUBLIK INDONESIA NOMOR 28 TAHUN 2019 TENTANG ANGKA KECUKUPAN GIZI YANG DIANJURKAN UNTUK MASYARAKAT INDONESIA* (No. 29 ed.). Kementerian Kesehatan Republik Indonesia. Retrieved February 4, 2025, from http://hukor.kemkes.go.id/uploads/produk_hukum/PMK_No__28_Th_2019_ttg_Angka_Kecukupan_Gizi_Yang_Dianjurkan_Untuk_Masyarakat_Indonesia.pdf
- Miller, P. E., Alexander, D. D., & Perez, V. (2014). Effects of whey protein and resistance exercise on body composition: a meta-analysis of randomized controlled trials. *Journal of the American College of Nutrition*, 33(2), 163–175. <https://doi.org/10.1080/07315724.2013.875365>
- Miller, P. E., Alexander, D. D., & Perez, V. (2014). Effects of whey protein and resistance exercise on body composition: a meta-analysis of randomized controlled trials. *Journal of the American College of Nutrition*, 33(2), 163–175. <https://doi.org/10.1080/07315724.2013.875365>
- Mitchell-Jones, N., Lawson, K., Bobdiwala, S., Farren, J. A., Tobias, A., Bourne, T., & Bottomley, C. (2020). Association between hyperemesis gravidarum and psychological symptoms, psychosocial outcomes and infant bonding: a two-point prospective case-control multicentre survey study in an inner city setting. *BMJ open*, 10(10), e039715. <https://doi.org/10.1136/bmjopen-2020-039715>
- Mogensen CS, Magkos F, Ziegenberg H, Geiker NRW. Effect of a high-protein and low-glycaemic index diet during pregnancy in women with overweight or obesity on offspring metabolic health-A randomized controlled trial. *Pediatr Obes*. 2025 Apr;20(4):e13191. doi: 10.1111/ijpo.13191. Epub 2024 Dec 2. PMID: 39622527; PMCID: PMC11936710.

- Montvignier Monnet, A., Savoy, D., Préaubert, L., Hoffmann, P., & Bétry, C. (2022). In Underweight Women, Insufficient Gestational Weight Gain Is Associated with Adverse Obstetric Outcomes. *Nutrients*, 15(1), 57. <https://doi.org/10.3390/nu15010057>
- Moore, V. M., Davies, M. J., Willson, K. J., Worsley, A., & Robinson, J. S. (2004). Dietary composition of pregnant women is related to size of the baby at birth. *The Journal of nutrition*, 134(7), 1820–1826. <https://doi.org/10.1093/jn/134.7.1820>
- Morisaki N, Nagata C, Morokuma S, Nakahara K, Kato K, Sanefuji M, Shibata E, Tsuji M, Shimono M, Kawamoto T, Ohga S, Kusuhara K; Japan Environment, Children's Study Group. Lack of catch-up in weight gain may intermediate between pregnancies with hyperemesis gravidarum and reduced fetal growth: the Japan Environment and Children's Study. *BMC Pregnancy Childbirth*. 2022 Mar 12;22(1):199. doi: 10.1186/s12884-022-04542-0. PMID: 35279131; PMCID: PMC8917715.
- Morkridge, A., & Maclennan, K. (2019). Physiology of pregnancy. *Anaesthesia & Intensive Care Medicine*, 20(7). <https://doi.org/10.1016/j.mpaic.2019.05.001>
- National Health Service. (2022). *Weight gain in pregnancy*. NHS. Retrieved February 4, 2025, from <https://www.nhs.uk/pregnancy/related-conditions/common-symptoms/weight-gain/#:~:text=Gaining%20too%20little%20weight%20can,weight%20before%20you%20become%20pregnant.>
- National Health Service UK. (2023, September 1). *Vitamins, minerals and supplements in pregnancy*. NHS. Retrieved April 18, 2025, from <https://www.nhs.uk/pregnancy/keeping-well/vitamins-supplements-and-nutrition/>
- National Institutes of Health. (2024, May 29). *About Pregnancy | NICHD - Eunice Kennedy Shriver National Institute of Child Health and Human Development*. National Institute

- of Child Health and Human Development. Retrieved January 21, 2025, from <https://www.nichd.nih.gov/health/topics/pregnancy/conditioninfo>
- Nindya, T., Mahmudiono, T., & Rachmah, Q. (2021). The estimation of cholesterol intake in elderly: reliability and validity of short, Semi-Quantitative Food Frequency Questionnaire (SQ-FFQ). *Journal of Nutrition and Health*, 54(1). <https://doi.org/10.4163/jnh.2021.54.1.95>
- Nishihara, N., Haruna, M., Usui, Y., Yonezawa, K., Hikita, N., Sasagawa, E., Nakano, K., Tanaka, M., Ohori, R., Aoyama, S., Sasaki, S., Fujita, M., Matsuzaki, M., Suetsugu, Y., & Sato, Y. (2023). Dietary Intake and Its Association with Birth Outcomes in Women with Nausea and Vomiting during the Second Trimester of Pregnancy: A Prospective Cohort Study in Japan. *Nutrients*, 15(15), 3383. <https://doi.org/10.3390/nu15153383>
- O'Donnell, A., McParlin, C., Robson, S. C., Beyer, F., Moloney, E., Bryant, A., Bradley, J., Muirhead, C., Nelson-Piercy, C., Newbury-Birch, D., Norman, J., Simpson, E., Swallow, B., Yates, L., & Vale, L. (2016). Treatments for hyperemesis gravidarum and nausea and vomiting in pregnancy: a systematic review and economic assessment. *Health technology assessment (Winchester, England)*, 20(74), 1–268. <https://doi.org/10.3310/hta20740>
- Office on Women's Health in the U.S. Department of Health and Human Services. (2021, February 22). *Stages of pregnancy*. Office on Women's Health. Retrieved February 25, 2025, from <https://womenshealth.gov/pregnancy/youre-pregnant-now-what/stages-pregnancy>
- Palacios, C., Kostiuik, L. K., & Peña-Rosas, J. P. (2019). Vitamin D supplementation for women during pregnancy. *The Cochrane database of systematic reviews*, 7(7), CD008873. <https://doi.org/10.1002/14651858.CD008873.pub4>

Pascual, Z., & Langaker, M. (2025). Physiology. In *Pregnancy*. StatPearls Publishing.

<https://www.ncbi.nlm.nih.gov/books/NBK559304/>

Profil Kesehatan 2014 provinsi Kalimantan Tengah. DINKES provinsi KALTENG. 2014; 44–46.

Putri, A., Hanifah, L., Irawan, A., & Lu, Y. Y. (2023). Maternal health literacy among pregnant women in Indonesia: A qualitative study. *International Journal of Nursing and Health Services (IJHNS)*, 6(6). <https://doi.org/10.35654/ijnhs.v6i6.763>

Qin, Y., & Xie, L. (2023). Nutrition and Supplements during Pregnancy: A Vital Component in Building the Health and Well-Being of Both the Mother and the Developing Baby. *Nutrients*, 15(15), 3395. <https://doi.org/10.3390/nu15153395>

Rasmussen, K. M. (2009). Institute of Medicine (US) and National Research Council (US) Committee to Reexamine IOM Pregnancy Weight Guidelines. *Weight gain during pregnancy: reexamining the guidelines. The National Academies Collection: Reports funded by National Institutes of Health, Washington (DC)*.

Rhodes, V. A., & McDaniel, R. W. (2001). Nausea, vomiting, and retching: complex problems in palliative care. *CA: a cancer journal for clinicians*, 51(4), 232–252. <https://doi.org/10.3322/canjclin.51.4.232>

Rondanelli, M., Perna, S., Cattaneo, C., Gasparri, C., Barrile, G. C., Moroni, A., Minonne, L., Lazzarotti, A., Mansueto, F., & Mazzola, G. (2025). A Food Pyramid and Nutritional Strategies for Managing Nausea and Vomiting During Pregnancy: A Systematic Review. *Foods (Basel, Switzerland)*, 14(3), 373. <https://doi.org/10.3390/foods14030373>

Rozikhan, R., & Sapartinah, T. (2021). Perbedaan tingkat kecemasan ibu hamil primigravida dengan multigravida di era pandemi COVID-19 di wilayah Kabupaten Kendal. *Midwifery Care Journal*, 2(1). DOI: <https://doi.org/10.31983/micajo.v2i1.6654>

- Rugină, C., Mărginean, C. O., Meliț, L. E., Giga, D. V., Modi, V., & Mărginean, C. (2020). Relationships between excessive gestational weight gain and energy and macronutrient intake in pregnant women. *The Journal of international medical research*, 48(8), 300060520933808. <https://doi.org/10.1177/0300060520933808>
- Sadiq, I., Usman, A., Muhammad, A., & Ahmad, K. (2024). Sample size calculation in biomedical, clinical and biological sciences research. *Journal of Umm Al-Qura University for Applied Sciences*, 11. <https://doi.org/10.1007/s43994-024-00153-x>
- Sativa, R., Aji, A., Yulinda, R., Purnamasari, S., & Paratmanitya, Y. (2023). Dietary intake and emotional eating status in relation to gestational weight gain among Indonesian pregnant women in Bantul. *Jurnal Bidan Cerdas*, 5(4). 10.33860/jbc.v5i4.3206
- Sheffield, S., Fiorotto, M. L., & Davis, T. A. (2024). Nutritional importance of animal-sourced foods in a healthy diet. *Frontiers in nutrition*, 11, 1424912. <https://doi.org/10.3389/fnut.2024.1424912>
- Sherman, P. W., & Flaxman, S. M. (2002). Nausea and vomiting of pregnancy in an evolutionary perspective. *American journal of obstetrics and gynecology*, 186(5 Suppl Understanding), S190–S197. <https://doi.org/10.1067/mob.2002.122593>
- Shin, D., Lee, K. W., & Song, W. O. (2016). Dietary Patterns During Pregnancy are Associated with Gestational Weight Gain. *Maternal and child health journal*, 20(12), 2527–2538. <https://doi.org/10.1007/s10995-016-2078-x>
- Simanjutak, T., Andrian, S., Wibowo, R., Kurniawan, S., & Elingasari, N. M. (2019). Hyperemesis gravidarum: A holistic review and approach to etiopathogenesis, clinical diagnostic, and management therapy. *Journal of South Asian Federation of Obstetrics and Gynaecology*, 11(4). <https://doi.org/10.5005/jp-journals-10006-1700>

- Siregar, D. A. S., Rianda, D., Irwinda, R., Dwi Utami, A., Hanifa, H., Shankar, A. H., & Agustina, R. (2020). Associations between diet quality, blood pressure, and glucose levels among pregnant women in the Asian megacity of Jakarta. *PloS one*, 15(11), e0242150. <https://doi.org/10.1371/journal.pone.0242150>
- Song, W., Zhang, Z., Zheng, W., Gao, L., Liang, S., Cheng, D., Wang, X., Guo, C., & Li, G. (2023). Patterns of gestational weight gain among women with obesity and its correlation with hypertensive disorders of pregnancy in Chinese women. *Maternal & child nutrition*, 19(3), e13416. <https://doi.org/10.1111/mcn.13416>
- Sukeningsih, L., Winardi, B., & Kusumaningrum, T. (2020). Effect of counseling on frequency and severity of nausea and vomiting in pregnancy (NVP). *Indonesian Midwifery and Health Sciences Journal*, 4(3). 10.20473/imhsj.v4i3.2020.220-229
- The American College of Obstetricians and Gynecologists. (2023). *Weight Gain During Pregnancy*. ACOG. Retrieved February 4, 2025, from <https://www.acog.org/clinical/clinical-guidance/committee-opinion/articles/2013/01/weight-gain-during-pregnancy>
- Tinti, S., Pratico, F., Bonaldo, V., Rovetto, M., Barratini, D., Casolati, E., Piccolo, E., Piazza, R., Liberati, M., Locci, M., & Catin, I. (2023). Prevalence and burden of nausea and vomiting in pregnant women: Interim analysis of the PURITY survey. *European Journal of Obstetrics & Gynecology and Reproductive Biology*, 290. <https://doi.org/10.1016/j.ejogrb.2023.09.016>
- University of California San Francisco Health. (2025). *Pregnancy | Conditions*. UCSF Health. Retrieved April 18, 2025, from <https://www.ucsfhealth.org/conditions/pregnancy>
- Vikanes, Å., Grijbovski, A. M., Vangen, S., & Magnus, P. (2010). Variations in prevalence of hyperemesis gravidarum by population origin: A study of 1,155,886 pregnancies in

- Norway, 1967–2005. *BJOG: An International Journal of Obstetrics & Gynaecology*, 117(6), 732–739. <https://doi.org/10.1111/j.1471-0528.2010.02545.x>
- Wagner, K., Chen, Z., Hinkle, S., Gleason, J., Lee, W., Grobman, W., Owen, J., Newman, R., Skupski, D., He, D., Sherman, S., Gore-Langton, R., Zhang, C., Grewal, J., & Grantz, K. (2025). Relationship between gestational weight gain with fetal body composition and organ volumes in the NICHD Fetal 3D Study: A prospective pregnancy cohort. *ASN Journals*, 121(2). 10.1016/j.ajcnut.2024.12.007
- Weigel, M. M., Coe, K., Castro, N. P., Caiza, M. E., Tello, N., & Reyes, M. (2011). Food aversions and cravings during early pregnancy: association with nausea and vomiting. *Ecology of food and nutrition*, 50(3), 197–214. <https://doi.org/10.1080/03670244.2011.568906>
- Regodón Wallin, A., Tielsch, J. M., Khatry, S. K., Mullany, L. C., Englund, J. A., Chu, H., LeClerq, S. C., & Katz, J. (2020). Nausea, vomiting and poor appetite during pregnancy and adverse birth outcomes in rural Nepal: an observational cohort study. *BMC pregnancy and childbirth*, 20(1), 545. <https://doi.org/10.1186/s12884-020-03141-1>
- Wahyuni, S., Pramono, N., Hadisaputro, S., & Ediaty, A. (2023). Nausea and vomiting in pregnancy: multiple contributing factors. *JURNAL INFO KESEHATAN*, 21(4). 10.31965/infokes.Vol21.Iss4.1388
- Wang, J., Zhang, S., Li, Q., Xiong, X., & Wu, Q. (2024). Maternal Weight Gain in Early Pregnancy with Healthy Live Offspring: Based on the China Birth Cohort Study. *Nutrients*, 16(13), 2154. <https://doi.org/10.3390/nu16132154>
- Ware, J., Kosinski, M., & Keller, S. (1998). SF-12: How to Score the SF-12 Physical and Mental Health Summary Scales. *JOUR.*

https://www.researchgate.net/publication/242636950_SF-12_How_to_Score_the_SF-12_Physical_and_Mental_Health_Summary_Scales

Weiler, H., Brooks, S., Sarafin, K., Fisher, M., Massareli, I., Luong, T., Johnson, M., Moriset, A.-S., Dodds, L., Taback, S., Helewa, M., Dadelszen, P. v., Smith, G., Lanphear, B., Fraser, W., & Arbuckle, T. (2021). Early prenatal use of a multivitamin diminishes the risk for inadequate vitamin D status in pregnant women: results from the Maternal-Infant Research on Environmental Chemicals (MIREC) cohort study. *The American Journal of Clinical Nutrition*, 114(3). <https://doi.org/10.1093/ajcn/nqab172>

White, N. (2013). Lifestyle and complementary medicine for common gastrointestinal disorders in pregnancy. *American Journal of Lifestyle Medicine*, 8(2). <https://doi.org/10.1177/1559827613514167>

Wibowo, N., Purwosunu, Y., Sekizawa, A., Farina, A., Tambunan, V., & Bardosono, S. (2012). Vitamin B₆ supplementation in pregnant women with nausea and vomiting. *International journal of gynaecology and obstetrics: the official organ of the International Federation of Gynaecology and Obstetrics*, 116(3), 206–210. <https://doi.org/10.1016/j.ijgo.2011.09.030>

World Health Organization. (2004). *Vitamin and mineral requirements in human nutrition*. World Health Organization.

Wood, H., McKellar, L., & Lightbody, M. (2013). Women and Birth. *Nausea and vomiting in pregnancy: Blooming or bloomin' awful? A review of the literature*, 26(2). <https://doi.org/10.1016/j.wombi.2012.10.001>

Wu, G., Bazer, F. W., Johnson, G. A., Herring, C., Seo, H., Dai, Z., Wang, J., Wu, Z., & Wang, X. (2017). Functional amino acids in the development of the pig placenta. *Molecular reproduction and development*, 84(9), 870–882. <https://doi.org/10.1002/mrd.22809>

- Wu, G., Imhoff-Kunsch, B., & Girard, A. W. (2012). Biological mechanisms for nutritional regulation of maternal health and fetal development. *Paediatric and perinatal epidemiology*, 26 Suppl 1, 4–26. <https://doi.org/10.1111/j.1365-3016.2012.01291.x>
- Xue, Q., Shen, M., Lin, Q., Wu, X., & Yang, M. (2023). The association between dietary protein diversity and protein patterns with frailty in older Chinese adults: A population-based cohort study. *The Journal of Nutrition, Health and Aging*, 27(12). <https://doi.org/10.1007/s12603-023-2043-5>
- Yang, J., Chang, Q., Tian, X., Zhang, B., Zeng, L., Yan, H., Dang, S., & Li, Y. H. (2022). Dietary protein intake during pregnancy and birth weight among Chinese pregnant women with low intake of protein. *Nutrition & metabolism*, 19(1), 43. <https://doi.org/10.1186/s12986-022-00678-0>
- Yang, Z., & Huffman, S. L. (2011). Review of fortified food and beverage products for pregnant and lactating women and their impact on nutritional status. *Maternal & child nutrition*, 7 Suppl 3(Suppl 3), 19–43. <https://doi.org/10.1111/j.1740-8709.2011.00350.x>
- Yeo, S., Crandell, J. L., & Jones-Vessey, K. (2016). Adequacy of Prenatal Care and Gestational Weight Gain. *Journal of women's health (2002)*, 25(2), 117–123. <https://doi.org/10.1089/jwh.2015.5468>
- Zhang, H., Qiu, X., Zhong, C., Zhang, K., Xiao, M., Yi, N., Xiong, G., Wang, J., Yao, J., Hao, L., Wei, S., Yang, N., & Yang, X. (2015). Reproducibility and relative validity of a semi-quantitative food frequency questionnaire for Chinese pregnant women. *Nutrition journal*, 14, 56. <https://doi.org/10.1186/s12937-015-0044-x>
- Zhou, Y. B., & Liu, J. M. (2021). Optimal gestational weight gain. *The Lancet regional health. Western Pacific*, 13, 100207. <https://doi.org/10.1016/j.lanwpc.2021.100207>

- Zhu, S., Zhao, A., Lan, H., Li, P., Mao, S., Szeto, I. M., Jiang, H., & Zhang, Y. (2023). Nausea and Vomiting during Early Pregnancy among Chinese Women and Its Association with Nutritional Intakes. *Nutrients*, 15(4), 933. <https://doi.org/10.3390/nu15040933>
- Zou, T., Long, Z., Wang, S., & Yao, Q. (2024). Nausea and vomiting in pregnancy (NVP) in Chinese pregnant women: a cross-sectional study. *BMC Pregnancy and Childbirth*, 24(481). <https://doi.org/10.1186/s12884-024-06686-7>