



DAFTAR PUSTAKA

- Abrahami, D., McDonald, E.G., Schnitzer, M., & Azoulay, L., 2020, Trends in acid suppressant drug prescriptions in primary care in the UK: a population-based cross-sectional study, *BMJ Open*, 10(12). <http://dx.doi.org/10.1136/bmjopen-2020-041529>
- Achem, S.R. & DeVault, K.R., 2014, Gastroesophageal Reflux Disease and the Elderly, *Gastroenterol Clin N Am*, 43, 147 – 160. <http://dx.doi.org/10.1016/j.gtc.2013.11.004>.
- Ahmed, A. & Clarke, J.O., 2023, *Proton Pump Inhibitors (PPI)*, <https://www.ncbi.nlm.nih.gov/books/NBK557385/>, 12 Oktober 2023.
- Argyrou, A., Legaki, E., Koutserimpas, C., Gazouli, M., Papaconstantinou, I., Gkiokas, G., & Karamanolis, G., 2018, Risk factors for gastroesophageal reflux disease and analysis of genetic contributors. *World journal of clinical cases*, 6(8), 176–182. <https://doi.org/10.12998/wjcc.v6.i8.176>.
- Arnold, R.J.G., 2010, *Pharmacoeconomics From Theory to Practice*, CRC Press, California.
- Aziz, I., Palsson, O.S., Tomblom, H., Sperber, A.D., Whitehead, W.E., & Simren, M., 2018, Epidemiology, clinical characteristics, and associations for symptom-based Rome IV functional dyspepsia in adults in the USA, Canada, and the UK: a cross-sectional population-based study, *Lancet Gastroenterol Hospital*, 3, 252 – 262. [http://dx.doi.org/10.1016/S2468-1253\(18\)30003-7](http://dx.doi.org/10.1016/S2468-1253(18)30003-7)
- Barkun, A. & Leontiadis, G., 2010, Systematic Review of the Symptom Burden, Quality of Life Impairment and Cost Associated with Peptic Ulcer Disease, *The American Journal of Medicine*, 123(4), 358 – 366. <https://doi.org/10.1016/j.amjmed.2009.09.031>
- Barkun, A.N., Adam, V., Martel, M., & Bardou, M., 2013, Cost-Effectiveness Analysis: Stress Ulcer Bleeding Prophylaxis with Proton Pump Inhibitors, H2 Receptor Antagonist, *Value Health*, 16(1), 14 – 22. <http://dx.doi.org/10.1016/j.jval.2012.08.2213>
- Begg, M., Tarhuni, M., Fotso, M.N., Gonzalez, N.A., Sanivarapu R.R., Osman, U., Kumar, A.L., Sadagopan, A., Mahmoud, A., & Khan, S., 2023, Comparing the Safety and Efficacy of Proton Pump Inhibitors and Histamin-2 Receptor Antagonists in the Management of Patient With Peptic Ulcer Disease: A Systematic Review, *Cureus*, 15(8), 1 – 10. <http://doi.org/10.7759/cureus.44341>
- Bereda, G., 2022, Peptic Ulcer Disease: Definition, Pathophysiology, and Treatment, *Journal of Biomedical and Biological Sciences*, 1(2), 1 – 10.
- Boulton, K.H.A. & Dettmar, P.W., 2021, A narrative review of the prevalence of gastroesophageal reflux disease (GERD), *Annals of Esophagus*, 5, 1 – 10. <http://dx.doi.org/10.21037/aoe-2020-ebmg-03>.
- BPJS, 2023, Data JKN, <https://bpjs-kesehatan.go.id/#/>, 27 Januari 2024.



- Brunton, L., Chabner, B., & Knollman, B., 2011, *Goodman & Gilman's the Pharmacological Basis of Therapeutics*, 12th Edition, McGraw Hill, New York.
- Charlson, M. E., Carrozzino, D., Guidi, J., & Patierno, C., 2022, Charlson Comorbidity Index: A Critical Review of Clinimetric Properties. *Psychotherapy and psychosomatics*, 91(1), 8–35. <https://doi.org/10.1159/000521288>
- Charlson, M., Charlson, R.E., Briggs, W., & Hollenberg, J., 2007, Can Disease Management Target Patients Most Likely to Generate High Costs? The Impact of Comorbidity, *Journal of General Internal Medicine*, 22, 464–469. <https://doi.org/10.1007/s11606-007-0130-7>
- Chisholm-Burns, M.A., Schwinghammer, T.L., Wells, B.G., Malone, P.M., Kolesar, J.M., & DiPiro, J.T., 2016, *Pharmacotherapy Principles & Practice*, 4th Edition, McGraw Hill, New York.
- Clarrett, D.M. & Hachem, C., 2018, Gastroesophageal Reflux Disease (GERD), *Missouri Medicine*, 115(3), 214 – 218.
- Daga, M.K., Kumar, L., & Mawari, G., 2018, COPD and Gastroesophageal Reflux Disease: A Double Blow, *Current Respiratory Medicine Reviews*, 14(2), 77 – 87. DOI: [10.2174/1573398X14666180910113545](https://doi.org/10.2174/1573398X14666180910113545)
- Darnindro, N., Manurung, A., Mulyana, E., & Harahap, A., 2018, Prevalence of Gastroesophageal Reflux Disease (GERD) in Dyspepsia Patients in Primary Referral Hospital, *The Indonesia Journal of Gastroenterology, Hepatology adn Digestive Endoscopy*, 19(2), 91 – 96.
- Dewi, W.R., 2016, Kajian Efektifitas dan Biaya Terapi Penggunaan Omeprazole dan Ranitidin Sebagai Profilaksis Stress Ulcer di Bangsal ICU, *Tesis*, Fakultas Farmasi Universitas Gadjah Mada.
- Dieleman, J.L., Squires, E., Bui, A.L., Campbell, M., Chapin, A., Hamavid, H., Horst, C., Li, Z., Matyszak, T., Reynolds, A., Sadat, N., Schneider, M.T., & Murray, C.J.L., 2017, Factors Associated With Increases in US Health Care Spending, 1996-2013, *JAMA*, 318(17), 1668 – 1678. <https://doi.org/10.1001/jama.2017.15927>
- DiPiro, J.T., Yee, G.C., Posey, L.M., Haines, S.T., Nolin, T.D., & Ellingrod, V., 2020, *Pharmacotherapy A Pathophysiologic Approach*, 11th Edition, McGraw Hill, New York.
- Dong, S.X.M., 2022, A Novel Psychopathological Model Explains the Pathogenesis of Gastric Ulcer, *J Ment Health Clin Psychol*, 6(3): 13 – 24.
- Dumic, I., Nordin, T., Jecmenica, M., Stojkovic Lalosevic, M., Milosavljevic, T., & Milovanovic, T., 2019, Gastrointestinal Tract Disorders in Older Age. *Canadian journal of gastroenterology & hepatology*, 6757524. <https://doi.org/10.1155/2019/6757524>
- Dunlap, J.J. & Patterson, S., 2019, Peptic Ulcer Disease, *Society of Gastroenterology Nurses and Associates*, 42(5), 451 – 455. <http://doi.org/10.1097/SGA.0000000000000478>
- Everhart, J. E., & Ruhl, C. E., 2009, Burden of Digestive Diseases in the United States Part I: Overall and Upper Gastrointestinal Diseases. *Gastroenterology*, 136(2), 376–386. doi:10.1053/j.gastro.2008.12.015



- Fautrel, B., Boonen, A., Wit, M., Grimm, S., Joore, M., & Guillemin, F., 2020, Cost assessment of health interventions and disease, *Rheumatic & Musculoskeletal Disease*, 1 – 6. <http://dx.doi.org/10.1136/rmdopen-2020-001287>
- Ford, A.C., Marwaha, A., Sood, R., & Moayyedi, P., 2015, Global Prevalence of, and Risk Factors for, Uninvestigated Dyspepsia: a Meta-analysis, *Gut*, 64(7), 1049 – 1057. <https://doi.org/10.1136/gutjnl-2014-307843>
- Ford, C.A., Mahadeva, S., Carbone, M.F., Lacy, B.E., & Talley, N.J., 2020, Functional dyspepsia, *The Lancet*, 396, 1689 – 1702. [https://doi.org/10.1016/S0140-6736\(20\)30469-4](https://doi.org/10.1016/S0140-6736(20)30469-4)
- Gudlaugsdottir, S., Verschuren, W., Dees, J., Stijnen, T., & Wilson, J., 2002, Hypertension is frequently present in patients with reflux esophagitis or Barrett's esophagus but not in those with non-ulcer dyspepsia. *European journal of internal medicine*, 13(6), 369. [https://doi.org/10.1016/s0953-6205\(02\)00090-0](https://doi.org/10.1016/s0953-6205(02)00090-0)
- Hazra, N.C., Rudisill, C. & Gulliford, M.C., 2018, Determinants of health care costs in the senior elderly: age, comorbidity, impairment, or proximity to death?. *Eur J Health Econ* 19, 831–842. <https://doi.org/10.1007/s10198-017-0926-2>
- Huang, I., Pranata, R., Pangestu, W., 2021, The prevalence of uninvestigated Dispepsia and the association of physical exercise with quality of life of uninvestigated Dispepsia patients in Indonesia: An internet-based survey. *Indian J Gastroenterol*, 40, 176–182. <https://doi.org/10.1007/s12664-020-01113-z>
- Huang, Y. Q., Gou, R., Diao, Y. S., Yin, Q. H., Fan, W. X., Liang, Y. P., Chen, Y., Wu, M., Zang, L., Li, L., Zang, J., Cheng, L., Fu, P., & Liu, F., 2014, Charlson comorbidity index helps predict the risk of mortality for patients with type 2 diabetic nephropathy. *Journal of Zhejiang University. Science. B*, 15(1), 58–66. <https://doi.org/10.1631/jzus.B1300109>
- Ikatan Dokter Indonesia, 2017, *Panduan Praktik Klinis Bagi Dokter di Fasilitas Pelayanan Kesehatan Primer*, Edisi I, Ikatan Dokter Indonesia, Jakarta.
- Jamshed, S., Bhagavathula, A. S., Zeeshan Qadar, S. M., Alauddin, U., Shamim, S., & Hasan, S., 2020, Cost-effective analysis of proton pump inhibitors in long-term management of gastroesophageal reflux disease: a narrative review. *Hospital pharmacy*, 55(5), 292-305. DOI: 10.1177/0018578719893378
- Jayadevappa, R., Chhatre, S., & Weiner, M., 2008, Gastro-oesophageal acid-related disease, co-morbidity and medical care cost, *Chronic Illness*, 4, 209 – 218. DOI:10.1177/1742395308092817
- Kang, A., Khokale, R, Awolumate, O.J., Fayyaz, H., & Cancarevic, I., 2020, Is Estrogen a Curse or a Blessing in Disguise? Role of Estrogen in Gastroesophageal Reflux Disease, *Cureus*, 12(10), 1 – 6. DOI 10.7759/cureus.11180
- Katzung, B.G., 2018, *Basic & Clinical Pharmacology*, 14th Edition, McGraw Hill, New York.



- Kellerman, R. & Kintanar, T., 2017, Gastroesophageal Reflux Disease, *Prim Care Clin in Office Practice*, 44(4), 561 – 573. <http://dx.doi.org/10.1016/j.pop.2017.07.001>
- Kementerian Kesehatan, 2017, *Keputusan Menteri Kesehatan Republik Indonesia tentang Pedoman Nasional Pelayanan Kedokteran Tata Laksana Infeksi Intraabdominal*, Kementerian Kesehatan, Jakarta.
- Kementerian Kesehatan, 2023, *Peraturan Menteri Kesehatan Republik Indonesia Nomor 3 Tahun 2023 tentang Standar Tarif Pelayanan Kesehatan dalam Penyelenggaraan Program Jaminan Kesehatan*, Kementerian Kesehatan RI, Jakarta.
- Khan, M.H., Kamran, H., Naveed, M., Ali, M., & Khan, A.H., 2020, Determinants of Peptic Ulcer, *PBMJ*, 3(1), 33 – 39.
- Kim, H., Moline, J., & Dropkin, J., 2013, Aging, Sex, and Cost of Medical Treatment, *Journal of Occupational and Environmental Medicine*, 55(5), 572 – 578.
- Kim, S. E., Kim, N., Lee, J. Y., Park, K. S., Shin, J. E., Nam, K., Kim, H. J., Song, H. J., Joo, Y. E., Myung, D. S., Seo, J. H., Jo, H. J., Kim, S. M., Lim, S. H., Kim, H. J., Baik, G. H., Choi, S. H., & Choi, S. C., 2018, Prevalence and Risk Factors of Functional Dyspepsia in Health Check-up Population: A Nationwide Multicenter Prospective Study. *Journal of neurogastroenterology and motility*, 24(4), 603–613. <https://doi.org/10.5056/jnm18068>
- Kim, Y. S. & Kim, N., 2020, Functional Dyspepsia: A Narrative Review With a Focus on Sex-Gender Differences. *Journal of neurogastroenterology and motility*, 26(3), 322–334. <https://doi.org/10.5056/jnm20026>
- Kinge, J.M., Dieleman, J.L., Karlstad, Ø., Knudsen, A.K., Klitkou, S.T., Hay, S.I., Vos, T., Murray, C.J.L., & Vollset, S.E., 2023, Disease-specific health spending by age, sex, and type of care in Norway: a national health registry study. *BMC Med* 21, 201. <https://doi.org/10.1186/s12916-023-02896-6>
- Kolasani, B.P. & Divyashanthi, C.M., 2016, Pharmacoeconomic analysis of drugs used for peptic ulcer in India, *International Journal of Basic & Clinical Pharmacology*, 5(4), 1672 – 1677. <http://dx.doi.org/10.18203/2319-2003.ijbcp20162490>
- Koto, K., Asrul, & Muradi A., 2016, Characteristic of gastric perforation type and the histopathology at Haji Adam Malik general hospital Medan-Indonesia, *Bali Medical Journal*, 5(1), 166 – 168.
- Kurniawan, E. & Danardono, E., 2023, Clinical presentation and outcome of perforated peptic ulcer patients at Dr. Soetomo Hospital Surabaya, Indonesia, *Bali Medical Journal*, 12(3), 2578 – 2581.
- Lacy, B.E., Weiser, K.T., Kennedy, A.T., Crowell, M.D., & Talley, N.J., 2013, Functional Dispepsia: the economic impact to patients, *Alimentary Pharmacology and Therapeutics*, 38, 170 – 177. doi:10.1111/apt.12355
- Lanas, A. & Chan, F.K.L., 2017, Peptic ulcer disease, *Lancet*, 390, 613 – 624. [https://doi.org/10.1016/S0140-6736\(16\)32404-7](https://doi.org/10.1016/S0140-6736(16)32404-7)
- Li, L.F., Chan, R.L.Y., Lu, L., Shen, J., Zhang, L., Wu, W.K.K., Wang, L., Hu, T., Li, M.X., & Cho, C.H., 2014, Cigarette smoking and gastrointestinal disease: The causal relationship and underlying molecular mechanisms (Review),



- Internasional journal of Molecular Medicine*, 34, 372 – 380.
<https://doi.org/10.3892/ijmm.2014.1786>
- Li, Q., Fan, X., & Jian, W., 2023, Impact of Diagnosis-Related-Group (DRG) payment on variation in hospitalization expenditure: evidence from China, *BMC Health Service Research*, 23(668), 1 – 9.
<https://doi.org/10.1186/s12913-023-09686-z>
- Li, Z. T., Ji, F., Han, X. W., Wang, L., Yue, Y. Q., & Wang, Z. G., 2018, The Role of Gastroesophageal Reflux in Provoking High Blood Pressure Episodes in Patients With Hypertension. *Journal of clinical gastroenterology*, 52(8), 685–690. <https://doi.org/10.1097/MCG.0000000000000933>
- Mahadeva, S., & Goh, K. L., 2006, Epidemiology of functional Dispepsia: a global perspective, *World journal of gastroenterology*, 12(17), 2661–2666.
<https://doi.org/10.3748/wjg.v12.i17.2661>
- Mainie, I., Tutuian, R., & Castell, D.O., 2008, Addition of a H2 Receptor Antagonist to PPI Improves Acid Control and Decreases Nocturnal Acid Breakthrough. *Journal of Clinical Gastroenterology*, 42(6), 676–679. doi:10.1097/mcg.0b013e31814a4e5c
- Majeed, K.R., Al-Ani, W.Y., & AlShock, M.M., 2022, Study the effect of Sex hormones in patients with stomach ulcers in Anbar Governorate, *Journal of Pharmaceutical Negative Results*, 13(1), 1834 – 1842. DOI: 10.47750/pnr.2022.13.S01.218
- Malik, T.F., Gnanapandithan, K., & Singh, K., 2019, *Peptic Ulcer Disease*, StatPearls, StatPearls Publishing, available online <https://www.ncbi.nlm.nih.gov/books/NBK534792/>.
- Mathews, S.C., Izmailyan, S., Brito, F.A., Yamal, J., Mikhail, O., & Revere, F.L., 2022, Prevalence and Financial Burden of Digestive Disease in a Commercially Insured Population, *Clinical Gastroenterology and Hepatology*, 20, 1480 – 1487. <https://doi.org/10.1016/j.cgh.2021.06.047>
- McDaid, D., & Park, A. L., 2014, Counting all the costs: the economic impact of comorbidity. In *Comorbidity of mental and physical disorders*, 179, 23-32, Karger Publishers.
- Menezes, A.M. & Herbella, F.A.M., 2017, Pathophysiology of Gastroesophageal Reflux Disease, *World Journal of Surgery*, 41, 1666 – 1671.
- Menezes, M.A. & Herbella, F.A.M., Pathophysiology of Gastroesophageal Reflux Disease, *World Journal of Surgery*, 41, 1666 – 1671. DOI 10.1007/s00268-017-3952-4
- Milivojevic, V., Rankovic, I., Krstic, M.N., Milosavljevic, T., 2022, Dyspepsia Challenge in Primary Care Gastroenterology. *Dig Dis*, 40 (3), 270–275. <https://doi.org/10.1159/000517668>
- Mintarsih, B., 2016, Kajian Drug Related Problems dan Evaluasi Luaran Klinik dari Obat Penekan Asam Lambung, *Tesis*, Fakultas Farmasi Universitas Gadjah Mada.
- Minto, M., & Hollingworth, T.W., 2021, Haematemesis and melaena. *Medicine*, 49(2), 98-102.
<https://doi.org/10.1016/j.mpmed.2020.11.011>



- Nugent, C.C., Falkson, S.R., & Terrell, J.M., 2022, *H2 Blockers*, <https://www.ncbi.nlm.nih.gov/books/NBK525994/#:~:text=For%20best%20results%2C%20patients%20should,ands%20once%20in%20the%20evening>, 15 Oktober 2023.
- Peng, Y.L., Leu, H.B., Luo, J.C., Huang, C.C., Hou, M.C., Lin, H.C., & Lee, F.Y., 2013, Diabetes in an independent risk factor for peptic ulcer bleeding: A nationwide population-based cohort study, *Journal of Gastroenterology and Hepatology*, 28(8), 1295 – 1299. <https://doi.org/10.1111/jgh.12190>
- Rose, T.C., Pennington, A., Kypridemos, C., Chen, T., Subhani, M., Hanefeld, J., Ricciardiello, L., & Barr, B., 2022, Analysis of the burden and economic impact of digestive diseases and investigation of research gaps and priorities in the field of digestive health in the European Region-White Book e: Executive summary, *United European Gastroenterology Journal*, 10, 659 – 664. <https://doi.org/10.1002/ueg2.12298>
- Silva, R.F., Leite, F.P., Severino, K.S.A.F., Costa, J.B., Soares, W.D., & Cruz, A.F.P., 2021, Pharmacoeconomics: the impact of its applicability in a hospital foundation, *Revista Eletronica Acervo Saude*, 13(6), 1 – 9. <https://doi.org/10.25248/reas.e7804.2021>
- Silviarizka, R., Sholihat, N., & Pratiwi, H., 2019, Analisis efektivitas biaya penggunaan omeprazol vs ranitidin sebagai profilaksis tekanan ulser di ICU RSUD Dr. Margono Soekarjo Purwokerto. *Acta Pharmaciae Indonesia : Acta Pharm Indo*, 7(2), 80-89. doi:10.20884/1.api.2019.7.2.2434
- Stanghellini, V., Chan, F.K.L., Hasler, W.L., Malagelada, J.R., Suzuki, H., Tacl, J., & Talley, N.J., 2016, Gastroduodenal Disorders, *Gastroenterology*, 150, 1380 – 1392. <http://dx.doi.org/10.1053/j.gastro.2016.02.011>
- Sugiyono, 2013, *Metode Penelitian Kuantitatif, Kualitatif, dan R&D*, Penerbit Alfabeta Bandung, Bandung.
- Sun, H., Yi, L., Wu, P., Li, Y., Luo, B., & Xu, S., 2014, "Prevalence of Gastroesophageal Reflux Disease in Type II Diabetes Mellitus", *Gastroenterology Research and Practice*, vol. 2014, Article ID 601571, 4 pages. <https://doi.org/10.1155/2014/601571>
- Sun, X. M., Tan, J. C., Zhu, Y., & Lin, L., 2015, Association between diabetes mellitus and gastroesophageal reflux disease: A meta-analysis, *World journal of gastroenterology*, 21(10), 3085–3092. <https://doi.org/10.3748/wjg.v21.i10.3085>
- Sverden, E., Agreus, L., Dunn, J.M., & Lagergren, J., 2019, Peptic ulcer disease, *BMJ*, 1 – 8. <https://doi.org/10.1136/bmj.l5495>
- Swarjana, I.K., 2023, *Metodologi Penelitian Kesehatan*, 121 – 122, Penerbit Andi, Yogyakarta.
- Syam, A.F., Simadibrata, M., Makmun, D., Abdullah, M., Fauzi, A., Renaldi, K., Maulahela, H., Utari, A.P., 2017, National Consensus on Management of Dyspepsia and *Helicobacter pylori* Infection, *Acta Med Indones-Indones J Intern Med*, 49(3), 279 – 287.
- Tack, J., Bisschops, R., & Sarnelli, G., 2004, Pathophysiology and Treatment of Functional Dyspepsia, *Gastroenterology*, 127, 1239 – 1255. doi:10.1053/j.gastro.2004.05.030.



- Talley N.J., 2017, Functional Dispepsia: Advances in Diagnosis and Therapy. *Gut and liver*, 11(3), 349–357. <https://doi.org/10.5009/gnl16055>
- Talley, N. J., Powell, N., Walker, M. M., Jones, M. P., Ronkainen, J., Forsberg, A., Kjellstrom, L., Hellstrom, P.M., Aro, P., Wallner, B., Agreus, L., & Andreasson, A., 2021, Role of smoking in functional dyspepsia and irritable bowel syndrome: three random population-based studies, *Alimentary Pharmacology & Therapeutics*, 54(1), 32–42. doi:10.1111/apt.16372
- Tashiro, T., Takeuchi, Y., Sakurai, Y., Arai, M., Shibata, M., Tazaki, S., Nishikawa, J., & Yoshida, H., 2018, Comparative Study of a Proton Pump Inhibitor with a Histamin H₂ Receptor Antagonist in Japanese Patients with Functional Dyspepsia, *Showa Univ J Med Sci*, 30(1), 43 – 53.
- The Indonesia Society of Gastroenterology, 2014, National Consensus on the Management of Gastroesophageal Reflux Disease in Indonesia, *Acta Med Indones-Indones J Intern Med*, 46(3), 263 – 271.
- Thorsen, K., Søreide, J. A., Kvaløy, J. T., Glomsaker, T., & Søreide, K., 2013, Epidemiology of perforated peptic ulcer: age- and gender-adjusted analysis of incidence and mortality, *World journal of gastroenterology*, 19(3), 347–354. <https://doi.org/10.3748/wjg.v19.i3.347>
- Vakil, N., Zanten, S.V.V., Kahrlas, P., Jones, R., & Global Consensus Group, 2006, The Montreal Definition and Classification of Gastroesophageal Reflux Disease: A Global Evidence-Based Consensus, *American Journal of Gastroenterology*, 101(8), 1900 – 1920. doi: 10.1111/j.1572-0241.2006.00630.x
- Vakil, N.B., 2023, *Peptic ulcer disease: Epidemiology, etiology, and pathogenesis*, available online at <https://www.uptodate.com/contents/peptic-ulcer-disease-epidemiology-etiology-and-pathogenesis>.
- Walker, M.M. & Talley, N.J., 2019, Functional Dyspepsia in the Elderly, *Current Gastroenterology Reports*, 21(54), 1 – 6. <https://doi.org/10.1007/s11894-019-0722-5>
- Wang, X., Pitchumoni, C. S., Chandrarana, K., & Shah, N., 2008, Increased prevalence of symptoms of gastroesophageal reflux diseases in type 2 diabetics with neuropathy. *World journal of gastroenterology*, 14(5), 709–712. <https://doi.org/10.3748/wjg.14.709>
- Wang, Y.P., Herndon, C.C., & Lu, C.C., 2020, Non-pharmacological Approach in the Management of Functional Dispepsia, *J Neurogasteroenterol Motil*, 26(1), 6 – 15. doi: [10.5056/jnm19005](https://doi.org/10.5056/jnm19005)
- Wauters, L., Talley, N.J., Walker, M.M., Tack, J., & Vanuytsel, T., 2019, Novel concepts in the pathophysiology and treatment of functional dyspepsia, *Gut*, 69(3), 591 – 600. DOI: [10.1136/gutjnl-2019-318536](https://doi.org/10.1136/gutjnl-2019-318536)
- Wells, B.G., DiPiro, J.T., Schwinghammer, T.L., & DiPiro C.V., 2015, *Pharmacotherapy Handbook*, 9th Edition, McGraw Hill, New York.
- WHO, 2023, Age Group Codelist, <https://apps.who.int/gho/data/node.searo-metadata.AGEGROUP>, 18 Desember 2023.
- World Life Expectancy, 2023, *Indonesia: Peptic Ulcer Disease*, <https://www.worldlifeexpectancy.com/indonesia-peptic-ulcer-disease>, 17 September 2023.



Xie, X., Ren, K., Zhou, Z., 2022, The global, regional and national burden of peptic ulcer disease from 1990 to 2019: a population-based study. *BMC Gastroenterol* 22, 58. <https://doi.org/10.1186/s12876-022-02130-2>

Zhang, D., Liu, S., Li, Z., & Wang, R., 2022, Global, regional and national burden of gastroesophageal reflux disease, 1990–2019: update from the GBD 2019 study, *Annals of Medicine*, 54(1), 1372-1384, DOI: 10.1080/07853890.2022.2074535

Zhang, J., Ge, L., Hill, M., Liang, Y., Xie, J., Cui, D., Li, X., Zheng, W., & He, R., 2019, Standard-Dose Proton Pump Inhibitors in the Initial Non-eradication Treatment of Duodenal Ulcer: Systematic Review, Network Meta-Analysis, and Cost-Effectiveness Analysis. *Front. Pharmacol.* 9:1512. doi: 10.3389/fphar.2018.01512