

**DAFTAR PUSTAKA**

- American Society for Gastrointestinal Endoscopy (ASGE), 2000. Apropiate use of gastrointrstinal endoscopy. *Gastrointestinal endoscopy*, 52 (6): 831-837.
- American Diabetes Association (ADA), 2018. Classification and diagnosis of diabetes: Standards of medical care in diabetes – 2018. *Diabetes Care*, 41 (Suplement 1): S13-S27.
- Abrams DN, Koslowsky I, Matte G, 2000. Pharmaceutical interference with the [14C] carbon urea breath test for the detection of *Helicobacter pylori* infection. *Journal of Pharmacy & Pharmaceutical Sciences*; 3 (2): 228–233.
- Atherton JC & Blaser MJ, 2013. *Helicobacter pylori* infections. In: Longo DL, Fauci AS (Eds.). *Harrison's Gastroenterology and Hepatology 2<sup>nd</sup> Edition*. New York: McGraw-Hill Education; 262-268.
- Aziz I, Palsson OS, Tornblom H, Sperber AD, 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. *The Lancet Gastroenterology & Hepatology*; 3 (4): 252-262.
- Basir HRG, Ghobakhlo M, Akbari P, Dehghan A, Rabiei AS, 2017. Correlation between the intensity of *Helicobacter pylori* colonization and severity of gastritis. *Gastroenterology Research and Practice*; 8320496.
- Charest M, Belair MA, 2017. Comparison of accuracy between 13C and 14C-urea breath testing: Is an indeterminate-results category still needed? *Journal of Nuclear Medicine Technology*, 45 (2): 87-90.
- Chiang YW, Chye FY, Mohd I, 2006. Microbial Diversity and proximate composition of Tapai, a sabah's fermented beverage. *Malaysian Journal of Microbiology*, 2(1):1-6
- Cope G, 2011. Understanding the effects of smoking/nicotine on the gastrointestinal tract. *Research Gate*; 9 (6): 1-5.
- Dahlan MS, 2009a. Penelitian diagnostik. Dasar-dasar teoretis dan aplikasi dengan program SPSS dan Stata. Jakarta: Salemba Medika.
- Dahlan MS, 2009b. Langkah-langkah membuat proposal penelitian bidang kedokteran dan kesehatan. Jakarta: Salemba Medika.
- Darnindro N, Syam AF, Fauzi A, Rumende CM, Seroprevalence and socio-demographic factors of *Helicobacter pylori* infection in patients with dyspepsia in Kalibaru Primary Health Care North Jakarta. *Acta Medica Indonesia*, 47 (4): 297-303.

- Devrajani BR, Shah SZA, Soomro AA, Devrajani T, 2010. Type 2 diabetes mellitus: a risk factor for *Helicobacter pylori* infection: a hospital based case-control study. *International Journal of Diabetes in Developing Countries*, 30 (1): 22-26.
- Dial EJ, Hall LR, Romero JJ, Lichtenberger LM, 1996. Rats with gastritis have increased sensitivity to the gastrin stimulatory effects of luminal ammonia. *Gastroenterology*, 110: 801-806.
- Dixon MF, Genta RM, Yardley JH, Correa P, 1997. Histological classification of gastritis and *Helicobacter pylori* infection: An agreement at last? *Helicobacter*; 2 (1): 17-24.
- Djojoningrat D, 2014. Pendekatan klinis penyakit gastrointestinal. In: Sudoyo AW, Setiyohadi B, Alwi I, Simandibrata M, Setiati S (Eds.). *Buku Ajar Ilmu Penyakit Dalam Edisi 6*. Jakarta: Interna Publishing; 1729-1730.
- Duvnjak M & Lerotic I, 2011. Management of *Helicobacter pylori* infection. In: Duvnjak M (Eds.). *Dyspepsia in Clinical Practice*. New York: Springer; 89-102.
- Ferwana M, Abdulmajeed I, Alhajiahmed A, Madani W, Firwana B, Hasan R, Altayar O, Limburg PJ, Murad MH, Knawy B, 2015. Accuracy of urea breath test in *Helicobacter pylori* infection: Meta-analysis. *World Journal of Gastroenterology*; 21 (4): 1305-1314.
- Fleisher LA, Fleischmann KE, Auerbach AD, Barnason SA, Beckman JA, Bozkurt B, Davila-Roman VG, Gerhard-Herman MD, et al., 2014. 2014 ACC/AHA guideline on perioperative cardiovascular evaluation and management of patients undergoing noncardiac surgery: executive summary: a report of American Collage of Cardiology/American Heart Association Task Force on Practical Guidelines. *Circulation*; 130 (24): 2215-2245.
- Flier SN & Rose S, 2006. Is functional dyspepsia of particular concern in women? A review of gender differences in epidemiology, pathophysiologic mechanisms, clinical presentation, and management. *American Journal of Gastroenterology*, 101:S644–S653.
- Frezza M, Gorji N, Melato M, 2016. The histopathology of non-steroidal anti-inflammatory drug induced gastroduodenal damage: correlation with *Helicobacter pylori*, ulcers, and hemorrhagic events. *Journal of Clinical Pathology*; 54: 521-525.
- Gupta S & McQuaid K, 2005. Management of nonsteroidal, anti-inflammatory, drug-associated dyspepsia. *Gastroenterology*; 129 (5): 1711-1719.
- Hantoro IF, Syam AF, Mudjaddid E, Setiati S, Abdullah M, 2018. Factors associated with health-related quality of life in patients with functional dyspepsia. *Health and Quality Life Outcomes*, 16: 18.

- Hapsari P, 2013. Hubungan Seropositivitas Cag-A dengan derajat keparahan gastritis pada pasien dispepsia terinfeksi H.pylori. Laporan Penelitian. Unpress
- Harmon RC, 2010. Evaluation and management of dyspepsia. *Therapeutic Advances Gastroenterology*; 3 (2): 87-98.
- Hassan TMM, Al-Najjar SI, Al-Zahrani IH, Alanazi FIB, Alotibi MG, 2016. *Helicobacter pylori* chronic gastritis updated Sydney grading in relation to endoscopic findings and *H. pylori* IgG antibody: diagnostic methods. *The Journal Of Microscopy and Ultrastructure*; 4 (4): 167-174.
- Hegedus O, Ryden J, Rehnberg A, Nilsson S, Hellstrom PM, 2002. Validated accuracy of a novel urea breath test for rapid *Helicobacter pylori* detection and in-office analysis. *European Journal of Gastroenterology*; 14: 1-8.
- Kalaitzakis E, 2014. Gastointestinal dysfunction in liver cirrhosis. *World Journal of Gastroenterology*, 20 (40): 14686-14695.
- Kao CY, Sheu BS, Wu JJ, 2016. *Helicobacter pylori* infection: an overview of bacterial virulence factors and pathogenesis. *Biomedical Journal*; 39 (1): 14-23.
- Kato M, 2016. Endoscopic findings of *H. pylori* infection. In: Suzuki H, Warren R, Marshal B (Eds.). *Helicobacter pylori*. Jepang: Springer; 157-165.
- Khademolhosseini, F, Mehrabani, D, Zare, N, Salehi, M, Heydari S, Beheshti M, Saberi-Firoozi M, 2010. Prevalence of dispepsia and its correlation with demographic faktors and lifestyle in Shiraz, Southern Iran. *Middle East Journal of Digestive Diseases*, 2(1): 24–30.
- Koivisto TT, Voutilainen ME, Farkkila MA, 2008. Effect of smoking on gastric histology in *Helicobacter pylori*-positive gastritis. *Scandinavian Journal of Gastroenterology*; 43 (10): 1177-1183.
- Konieczna I, Zarnowiec P, Kwinkowski M, Kolesinska B, Fraczyk J, Kaminski Z, Kaca W, 2012. Bacterial urease and its role in long lasting human diseases. *Current Protein & Peptide Science*, 13 (8): 789-806.
- Kozlowski W, Jochymski C, Markiewicz T, 2011. Chronic gastritis. *InTechOpen*, doi: 10.5772/24791.
- Lash RH & Genta RM, 2012. Gastritis. In: Hawkey CJ, Bosch J, Richter J, Garcia-Tsao G, Chan F (Eds.). *Clinical Gastroenterology and Hepatology 2<sup>nd</sup> Edition*. London: Wiley-Blackwell; 234-248.
- Leide-Svegborn S, Stenström K, Olofsson M, Mattsson S, Nilsson LE, Nosslin B, Pau K, Johansson L, Erlandsson B, Hellborg R, Skog G, 1999. Biokinetics and radiation doses for carbon-14 urea in adults and children undergoing the *Helicobacter pylori* breath test. *European Journal of Nuclear Medicine*; 26 (6): 573–580.
- Levey AS, Eckardt KU, Tsukamoto Y, Levin A, Coresh J, Rossert J, De Zeeuw D, Hostetter TH, Lamiere N, Eknayan G, 2005. Definition and

- classification of chronic kidney disease: a position statement from kidney disease: Improving Global Outcomes (KDIGO). *Kidney International*; 67 (6): 2089-2100.
- LeVeen HH, LeVeen EG, LeVeen RF, 1994. Awakenings to the pathogenicity of urease and the requirement for continuous long term therapy. *Biomed & Pharmacotherapy*, 48: 157-166.
- Liu J, Xue Y, Zhou L, 2018. Detection of gastritis-associated pathogens by culturing of gastric juice and mucosa. *International Journal of Clinical and Experimental Pathology*, 11 (4): 2214-2220.
- Maity A, Pal M, Som S, Maithani S, Chaudhari S, Prandhan M, 2016. Natural <sup>18</sup>O and <sup>13</sup>C- urea in gastric juice: a new route for non-invasive detection of ulcers. *Analytical and Bioanalytical Chemistry*, 409 (1): 193-200.
- Makmun D, 2014. Present status of endoscopy, therapeutic endoscopy and the endoscopy training system in Indonesia. *Digestive Endoscopy*, 26 (2): 2-9.
- Marshall BJ, Windsor HM, Kimura K, 2012. *H. pylori*: its diseases and management. In: Hawkey CJ, Bosch J, Richter J, Garcia-Tsao G, Chan F (Eds.). *Clinical Gastroenterology and Hepatology 2<sup>nd</sup> Edition*. London: Wiley-Blackwell; 139-144.
- Matsuda NM, Kinoshita E, Vong MER, Santos RD, Botacin IA, Troncon LEA, 2009. Functional dyspepsia: Review pathophysiology and treatment. *The Open Gastroenterology Journal*; 3:11-12.
- Mattar R, Silva FM, Alexandrino AM, Laudanna AA, 1999. Validation of <sup>14</sup>C-urea breath test for diagnosis of *Helicobacter pylori*. *Revista do Instituto de Medicina Tropical de Sao Paulo*, 38 (11): 1144-1148.
- Mauleti I, 2004. Sensitivitas dan Spesifisitas pemeriksaan histologi dibandingkan tes nafas urea untuk mendeteksi kuman *H. pylori* pada pasien dengan keluhan dispepsi. Laporan penelitian, Unpress.
- McDonald GB, 2012. Infections of the esophagus and stomach. In: Hawkey CJ, Bosch J, Richter J, Garcia-Tsao G, Chan F (Eds.). *Clinical Gastroenterology and Hepatology 2<sup>nd</sup> Edition*. London: Wiley-Blackwell; 214-218.
- Miftahussurur M, Shiota S, Suzuki R, Matsuda M, Uchida T, Kido Y, Kawamoto F, Maimunah U, Adi P, Rezkitha Y, Nasronudin, Nusi IA, Yamaoka Y, 2015. Identification of *Helicobacter pylori* infection in symptomatic patients in Surabaya, Indonesia, using five diagnostic test. *Epidemiology and Infection*; 143: 968-996.
- Miftahussurur M & Yamaoka Y, 2016. Diagnostic methods of *Helicobacter pylori* infection for epidemiological studies: critical importance of indirect test validation. *Biomed Research International*; 4819423.

- Mirbod-Donovan F, Schaller R, Hung CY, Xue J, Reichard U, et al., 2006. Urease produced by *Coccidioides posadasii* contributes to the virulence of this respiratory pathogen. *Infection and Immunity*, 74 (1): 504-515.
- Miwa H, Ghoshal UC, Gonlachanvit S, Gwee KA, Ang TL, Chang FY, Fock KM, Hongo M, et al., 2012. Asian consensus report on functional dyspepsia. *Journal of Neurogastroenterology Motility*; 18 (2): 150-168.
- Moayyedi PM, Lacy BE, Andrews CN, Enns RA, Howden CW, Vakil N, 2017. ACG and CAG clinical guideline: management of dyspepsia. *The American Journal of Gastroenterology*. 112 (7): 988-1013.
- Mora D & Arioli S, 2014. Microbial urease in health and disease. *Plos Pathogens*, 10 (2): e1004472.
- Muchtaridi, Ida M, Nugraha N, Resmi M, 2005. Determination of alcohol of Broth of fermented black sticky rice at refractive index and GC-MS Methods. *The journal of microbiology, biotechnology and food sciences*; 2(3):933-946.
- Murakami M, Saita H, Teramura S, Dekigai H, Asagoe K, Kusaku S, Kita T, 1993. Gastric ammonia has potent ulcerogenic action on the rat stomach. *Gastroenterology*, 106: 1710-1716.
- Naphtali K, Koloski N, Walker MM, Talley NJ, 2016. Women and functional dyspepsia. *Womens Health*, 12 (2): 241-250.
- Olivera-Severo D, Wassermann GE, Carlini CR, 2006. Ureases displays biological effects independent of enzymatic activity. Is there connection to diseases caused by urease-producing bacteria? *Brazzilian Journal of Medical and Biological Research*, 39: 851-861.
- Osaki T, Mabe K, Hanawa T, Kamiya S, 2008. Urease-positive bacteria in the stomach induce a false-positive reaction in a urea breath test for diagnosis of *Helicobacter pylori* infection. *Journal of Medical Microbiology*; 57: 814–819.
- Osterholzer JJ, Surana R, Milam JE, Montano GT, Chen GH, Sonstein J, Curtis JL, Huffnagle GB, Toews GB, Olszewski MA, 2009. Cryptococcal urease promotes accumulation of immature dendritic cell and a non protective T2 immune response within the lung. *The American Journal of Pathology*, 174 (3): 932-943.
- Ozturk O, 2008. Diagnosis methods of *Helicobacter pylori* infection. *Gullhane Tip Dergisi*; 50: 60-64.
- Park KS, 2011. Aging and digestive diseases: at the view of the functional change of gastrointestinal tract. *Korean Journal of Gastrointestinal*, 58(1):38
- Park YH & Kim N, 2015. Review of atrophic gastritis and intestinal metaplasia as a premalignant lesion of gastric cancer. *Journal of Cancer Prevention*, 20 (1): 25-40.

- Pulanic R, 2011. Epidemiologi. In: Duvnjak M (Eds.). *Dyspepsia in Clinical Practice*. New York: Springer; 19-25.
- Purbayu H, Setiawan PB, Nusi IA, Adi P, Kusumobroto HO, 2007. Validation of <sup>13</sup>C urea breath test for diagnosis of *Helicobacter pylori* infection among dyspeptic patients at Dr. Soetomo hospital Surabaya. *The Indonesian Journal of Gastroenterology Hepatology and Digestive Endoscopy*, 8 (3): 76-79.
- Qujeq D & Savadhoohi S, 2006. Measurement of ammonium concentration in gastric juice as a diagnostic test for *Helicobacter pylori* infection and the relationship between ammonium concentration and severity of gastritis. *Asian Journal of Biochemistry*, 1 (2): 131-137.
- Rezkitha YAA, 2017. Korelasi antara kadar pepsinogen I serum dengan derajat keparahan gastritis pada pasien dispepsia. Laporan Penelitian. Unpress.
- Roth SH, 2011. Nonsteroidal anti-inflammatory drug gastropathy: new avenues for safety. *Clinical Interventions in Aging*, 6: 125-131.
- Rotimi O, Cairns A, Gray S, Moayyedi P, Dixon MF, 2000. Histological identification of *Helicobacter pylori*: comparison of staining methods. *Journal of Clinical Pathology*, 53 (10): 756-759.
- Rugge M & Genta RM, 2005. Staging and grading of chronic gastritis. *Human Pathology*, 36: 228-233.
- Rugge M, Pennelli G, Pilozzi E, Fassan M, Ingravallo G, Russo VM, Mario FD, 2011. Gastritis: the histology report. *Digestive and Liver Disease*, 43S: S373-S384.
- Rutherford JC, 2014. The emerging role of urease as a general microbial virulence factor. *Plos Pathogens*, e1004062.
- Sari YM, 2016. Hubungan Antara Infeksi Helicobacter Pylori Dengan Kadar Gastrin-17 Serum Pada Pasien Dispepsia. Unpress
- Salena BJ & Hunt RH, 2012. The stomach and duodenum. In: Thomson ABR, Shaffer EA (Eds.). *First Principles of Gastroenterology Fifth Edition*. Oakville: Janssen-Ortho; 138-153.
- Shiotani A, Dore MP, Graham DY, 2016. Urea breath test and rapid urease test. In: Suzuki H, Warren R, Marshal B (Eds.). *Helicobacter pylori*. Jepang: Springer; 143-155.
- Simandibrata M, Abdullah M, Syam AF, Fauzi A, Makmun D, Manan C, Rani AA, Santi A, Rahajeng E, 2010. Dyspeptic syndrome in urban population in Jakarta. *The Indonesian Journal of Gastroenterology Hepatology and Digestive Endoscopy*, 11 (2): 66-70.
- Sinchak ES, Patskun SV, 2018. Interrelation between ghelin and gastrin in patients with combination of chronic gastritis and type 2 diabetes mellitus. *Wiadomosci Lekarskie*, 71 (2): 311-314.

- Sipponen P, Maaroos HI, 2015. Chronic gastritis. *Scandanavian Journal of Gastroenterology*, 50 (6): 567-667.
- Sitepoe M, 1997. Usaha Mencegah Bahaya Merokok. Jakarta: Grasindo.
- Solomon CM, Alexander JA, Gilbert PM, 2007. Measuring urease activity in aquatic environmental samples. *Limnology and Oceanography*, 5 (9): 1-9.
- Soybel DI, 2005. Anatomy and physiology of the stomach. *Surgical Clinics of North America*, 85: 875-894.
- Stubbs JB & Marshall BJ, 1993. Radiation dose estimates for the carbon-14-labelled urea breath test. *Journal of Nuclear Medicine*, 34 (5): 821-825.
- Sugimoto M & Yamaoka Y, 2011. Review of *Helicobacter pylori* infection and chronic renal failure. *Therapeutic Apheresis and Dialysis*, 15 (1): 1-9
- Sujoy B & Aparna A, 2013. Potential clinical significance of urease enzyme. *European Scientific Journal*, 9 (21): 94-102.
- Suzuki H, Yanaka A, Shibahara T, Matsui H, Nakahara A, Tanaka N, Muto H, Momoi T, Uchiyama Y, 2002. Ammonia-induced apoptosis is accelerated at higher pH in gastric surface mucous cells, 283: S986-S995.
- Syam AF, Miftahussurur M, Makmun D, Nusi IA, Zain LH, Zulkhairi, Akil F, Uswan WB, et al., 2015. Risk factor and prevalence of *Helicobacter pylori* in five largest island in Indonesia: a preliminary study. *PlosOne*; 10 (11): e0140186.
- Syrjanen K, 2017. False positive and false negative results in diagnosis of *Helicobacter pylori* infection can be avoided by a panel of serum biomarkers (GastroPanel). *Matthews Journal of Gastroenterology & Hepatology*; 1 (1): 107.
- Tack J, 2016. Dispepsia. In: In: Feldman M, Friedman LS, Brandt, Eds. *Sleisenger and Fordtran's Gastrointestinal and Liver Disease 10<sup>th</sup> Edition*. Philadelphia: Elsevier Saunders; 194-199.
- Tsujii M, Kawano S, Tsuji S, Fusamoto H, Kamada T, Sato N, 1992. Mechanism of gastric mucosal damage induced by ammonia. *Gastroenterology*, 102: 1881-1888.
- Valle JD, 2013. Peptic ulcer disease and related disorders. In: Longo DL, Fauci AS (Eds.). *Harrison's Gastroenterology and Hepatology 2<sup>nd</sup> Edition*. New York: McGraw-Hill Education; 127-134.
- Valle JD & Todisco A, 2015. Gastric Secretion. In: Podolsky DK, Camilleri M, Fitz JG, Kalloo AN, Shanahan F, Wang TC (Eds.). *Yamada's Textbook of Gastroenterology 6<sup>th</sup> Edition*. London: Wiley-Blackwell; 284-329.
- Varbanova M & Malfertheiner P, 2011. Bacterial load and degree of gastric mucosal inflammation in *Helicobacter pylori* infection. *Karger*; 29: 592-599.

- Verby A, Murayama SY, Michimae H, Suzuki H, Suzuki M, Serizawa H, Tamura R, Nakamura S, Takahashi S, Nakamura M, 2017. Prevalence of gastric non-*Helicobacter pylori*-*Helicobacters* in Japanese patients with gastric disease. *Digestion*; 95: 61-66.
- Vermeulew, Deman JG, Pelckmans PA, De Winter BY, 2014. Neuroanatomy of lower gastrointestinal pain disorders. *World Journal Gastroenterology*, 20(4): 1005-1020.
- Vilaichone RK, Ratanachu T, Gamnarai P, Subsomwong P, Uchida T, Yamaoka Y, and Mahachai V, 2017. High Fluoroquinolone Resistant Strains of *Helicobacter pylori* in the Golden triangle. *Asian Pacific Journal of Cancer Prevention*, 18(2): 455–458
- Walker MM, Teare JP, Negus R, Rice AJ, Loh V, Thursz MR, 2000. Are all five biopsy sites of the updated Sydney system essential to assess gastritis? *Gastroenterology*, 118 (4): 1-5.
- Washington MK & Peek Jr RM, 2015. Gastritis and gastropathy. In: Podolsky DK, Camilleri M, Fitz JG, Kalloo AN, Shanahan F, Wang TC (Eds.). *Yamada's Textbook of Gastroenterology 6<sup>th</sup> Edition*. London: Wiley-Blackwell; 1005-1020.
- Yakoob J, Abbas Z, Khan R, Naz S, Ahmad Z, Islam M, Awan S, Jafri Fm Jafri W, 2012. Prevalence of non *Helicobacter pylori* species in patients presenting with dyspepsia. *BMC Gastroenterology*, 12 (3): 1-8.
- Yap Y, Ray P, Paul, Goh, 2015. Non-steiroidal anti-inflammatory drugs (NSAIDs) induced dyspepsia. *Current Pharmaceutical Design*; 21 (35): 5073-5081.
- Zagari RM, Law GR, Fuccio L, Cennamo V, Gilthorpe MS, Forman D, Bazzoli F, 2010. Epidemiology of functional dispepsia and subgroups in the Italian general population: an endoscopic study. *Gastroenterology*, 138(4): 1302-3011.
- Zahedi L, Jafari E, Parazi MT, Shafiepour S, Abbassi MH, Moghadam SD, Zahedi MJ, 2017. The Association between Oral Hygiene and Gastric Pathology in Patients with Dyspepsia: a Cross-Sectional Study in Southeast Iran. *Middle East Journal of Digestive Diseases*, 9 (1): 33-38.
- Zhang L, Eslick GD, Xia HH, Wu C, Phung N, Talley NJ, 2010. Relationship between alcohol consumption and active *Helicobacter pylori* infection. *Alcohol & Alcoholism*; 45 (1): 89-94.