

DAFTAR PUSTAKA

- Adams RJ. 2010, Improving health outcomes with better patient understanding and education. *Risk Manag Health*, 3: 61–72.
- Adil, S. Ruth, M. Edward E. 2007, Pulmonary hypertension and chronic corpulmonale in COPD. *Int J Chron Obstruct Pulmon Dis*. September; 2(3): 273–282.
- Alexandre, N.M.C. and Coluci, M.Z.O. 2011, *Content Validity in the Development and Adaptation Processes of Measurement Instruments*. *Ciência & Saúde Coletiva*, 16, 3061-3068. <http://dx.doi.org/10.1590/S0080-62342007000100018>.
- American Assosiation for Respiratory Care. 2012, Baccalaureate Entry-Level Education in Respiratory Care. *Respiratory Care Education Annual*. Volume 21, Fall 2012, 1-3
- American Thoracic Society, 2011, American Thoracic Society statement Occupational Contribution To The Burden of Airway Disease, In : Centers for Disease Control and Prevention. *Public Health Strategic Framework for COPD Prevention*. Atlanta, GA: Centers for Disease Control and Prevention
- Ali WGM, Elmaati HMBA. 2016, Self-Management Program to Improve Asthma Knowledge and Inhaler Technique among Adult with Asthma. *IOSR Journal of Nursing and Health Science (IOSR-JNHS)*, 5(2):37-47
- Aryal S, Diaz-Guzman E, Mannino DM. 2014, Influence of sex on chronic obstructive pulmonary disease risk and treatment outcomes. *Int J Chron Obstruct Pulmon Dis*, 9: 1145–1154.
- Aydanur E, Emel B, Tulay K, Erol S, Mehmet E. 2015. Factors Associated with Quality of Life in Subject with Stable COPD. *Respir Care*. 2015 Nov;60(11):1585-91. doi: 10.4187/respcare.03904. Epub 2015 Jul 7.
- Azwar, S. 2003, *Sikap manusia Teori dan Pengukurannya*. Edisi 2 Yogyakarta: Pustaka Pelajar Offset.
- Bartholomew LK, Parcel GS, Kok G. Intervention mapping: a process for developing theory- and evidence-based health education programs. *Health Educ Behav*. 1998 Oct;25(5):545-63.
- Beatrice H, Rachel W, Denise DV, Jessica W, Chris C, Stephanie T, Danielle H, George S, and David H. Thom. Health coaching to improve self-

management and quality of life for low income patients with chronic obstructive pulmonary disease (COPD): protocol for a randomized controlled trial. *BMC Pulmonary Medicine* (2017) 17:90

Basheti IA, Qunaibi E, Bosnic-Anticevich SZ, Armour CL, Khater S, Omar M, Reddel HK. 2011, User Error With Diskus and Turbuhaler by Asthma Patients and Pharmacists in Jordan and Australia. *Resp Care*. December, 56 (12) 1916-1923.

Beaucage D dan Nesbitt S. 2002, Using Inhalation Device, in Bourbeau, Nault, Borycki, Comprehensive Management of Chronic Obstructive Pulmonary Disease, *BC Decker Inc., Canada*, p.83-107.

Bentley CL, Mountain GA, Thompson J, Fitzsimmons DA, Lowrie K, Parker SG, Hawley MS. 2014, A pilot randomised controlled trial of a Telehealth intervention in patients with chronic obstructive pulmonary disease: challenges of clinician-led data collection, *Trials*. Aug 6;15:313. doi: 10.1186/1745-6215-15-313.

Berkhof FF, van den Berg JW, Uil SM, Kerstjens HA. 2014, Telemedicine, the effect of nurse-initiated telephone follow up, on health status and health-care utilization in COPD patients: A randomized trial. *Respirology*, Nov 17. doi: 10.1111/resp.12437.

Bourbeau J, Ford G, Zackon H, Pinsky N, Lee J, Ruberto G. 2007, Impact on patients health status following early identification of COPD exacerbation. *Eur Respir J.*, 30(5):907-913.

Bourbeau J, Bartlett SJ. 2008, Patient adherence in COPD. *Thorax*, Sep; 63(9): 831–838

Boschetto P, Quintavalle S, Miotto D, Cascio NL, Zeni E, Mapp Ce. 2006. Chronic obstructive pulmonary disease (COPD) and occupational exposures. *Journal of Occupational Medicine and Toxicology*, 1:11

Boven, J. F. M. Van. 2014, Medication Monitoring and Optimization: A Targeted Pharmacist Program for Effective and Cost-Effective Improvement of Chronic Therapy Adherence. *Journal of Managed Care & Specialty Pharmacy*, 20 (8).

Butler, A.C. 2010, Repeated testing produces superior transfer of learning relative to repeated studying. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 36(5), 1118-1133.

Calverly PM. 2008. COPD what is the unmet need?. *Br J Pharmacol*. Oct 155(4): 487-493

- Calverley PM, Stockley RA, Seemungal TA, Hagan G, Willits LR, Riley JH, Wedzicha JA. 2011, Investigating New Standards for Prophylaxis in Reduction of Exacerbations (INSPIRE) Investigators: Reported pneumonia in patients with COPD: findings from the INSPIRE study. *Chest, Mar*; 139(3):505-12. doi: 10.1378/chest.09-2992.
- Calvin K.L. Or, Ben-Tzion Karsh. 2009, A Systematic Review of Patient Acceptance of Consumer Health Information Technology. *J Am Med Inform Assoc.* Jul-Aug;16(4):550-60. doi: 10.1197/jamia.M2888. EpubApr 23.
- Casey D. 2007, Using Action Research to change Health Promoting Practice, *Nursing and Health Sciences*, Vol 9 Issue 1 March 2007: 5-13.
- Casey D, Murphy K, Devane D, Cooney A, McCarthy B, Mee L, Newell J, O'Shea E, Scarrott C, Gillespie P, Kirwan C, Murphy AW. 2013, The effectiveness of a structured education pulmonary rehabilitation programme for improving the health status of people with moderate and severe chronic obstructive pulmonary disease in primary care: the PRINCE cluster randomised trial. *Thorax*, Oct;68(10):922-8. doi: 10.1136/thoraxjnl-2012-203103. Epub 2013 Jun 4.
- Chang YS, Park MJ, Bai C, Cai B, Kartasasmita C, Margono BP. 2012, Comparative Study of Patients in Correct Usage of and Preference for the Swinghaler and Turbuhaler Multidose Inhalers. *Journal of Asthma*, 49(7):750-756.
- Charlene E. McEvoy, Dennis E. Niewoehner. 1997, Adverse Effects of Corticosteroid Therapy for COPD. *CHEST*, 111:732-43
- Charles MS, Blanchette CM, Silver H, Lavallee D, Dalal AA, Mapel D. 2010, Adherence to controller therapy for chronic obstructive pulmonary disease: a review. *Curr Med Res Opin.* Oct;26(10):2421-9. doi: 10.1185/03007995.2010.516284.
- Chrystyn H. 2007, The Diskus® : A Review of Its Position Among Dry Powder Inhaler Devices, *Journal compilation Blackwell Publishing Ltd Int J Clin Pract J.*, 1022–1036.
- Chrystyn H & Azouz Wahida. 2012, *Clarifying the dilemmas about inhalation techniques for drypowder inhalers: integrating science with clinical practice*, PCRS, UK, 208-213.
- COPD Educational Materials. 2013, <https://www.copdfoundation.org/Learn-More/Educational-Materials/Downloads-Library.aspx>
- Craig, P., Dieppe, P., Macintyre, S., Michie, S., Nazareth, I., Petti Crew, M., *et al.*

2008, Developing and evaluating complex intervention: the new Medical Research Council Guidance, *BMJ*, 337:a1655.

Creswell, J. W. 2014, *Research Design: Qualitative, Quantitative and Mixed Methods Approaches (4th ed.)*. Thousand Oaks, CA: Sage.

Dabrowska, E. K. 2003, Telehealth in the UK : A critical perspective. *Electronic Journal of Business Research Methods*, 2(1), 37–46.

Dahlan, S. 2013, *Besar sampel dan Cara pengambilan sampel: Dalam Penelitian Kedokteran dan Kesehatan*. Jakarta: Salemba Medika.

Damjanov I. 2009, *Pathophysiology*. Saunders Elsevier: Philadelphia, 147-152.

Danquah, F. V. N., Wasserman, J., Meininger, J., & Bergstrom, N. 2010, Quality of life measures for patients on hemodialysis: a review of psychometric properties. *Nephrology Nursing Journal: Journal of the American Nephrology Nurses' Association*, 37(3), 255–69; quiz 270. Retrieved from <http://www.ncbi.nlm.nih.gov/pubmed/206294>

Deek A, Lombard C, Micheltore J, Teede H. 2009, The effects of gender and age on health related behaviors. *BMC Public Health*, 9: 213.

Dekhuijzen, van Beurden. 2006, The Role for N-acetylcysteine in The Management of COPD. *Int J Chron Obstruct Pulmon Dis.*, 1(2), 99–106, (online), (<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2706612>).

Demiris G, Tao D. 2005, An analysis of the specialized literature in the field of telemedicine. *J Telemed Telecare*, 11:316–9

Departemen Kesehatan Republik Indonesia. 2013, Direktorat Jendral Pengendalian Penyakit dan Penyehatan Lingkungan, Direktorat Pengendalian Penyakit Menular. *Pedoman Pengendalian Penyakit Paru Republik Indonesia*.

Dinesen B., Hunice L., Toft E. 2013, Attitudes of COPD Patients towards Tele-Rehabilitation: A Cross-Sector Case Study. *Int. J. Environ. Res. Public Health*, 10, 6184-6198; doi:10.3390/ijerph10116184.

Dobrowolska B, Mazurek H, Slusarska B, Zarzycka D, Charzyńska-Gula M, Cuber T. Health-promoting activities performed by nurses for patients with COPD. *Pneumonol Alergol Pol.* 2014;82(2):125-32. doi: 10.5603/PiAP.2014.0018.

Dora Liu, Alexandra Ahmet, Leanne Ward, Preetha Krishnamoorthy, Efrem D Mandelcorn, Richard Leigh, Jacques P Brown, Albert Cohen, and Harold

- Kim A., 2013, practical guide to the monitoring and management of the complications of systemic corticosteroid therapy. *Allergy Asthma Clin Immunol.* 9(1): 30
- Durrani, H., & Khoja, S. 2009, Original article systematic review of the use of telehealth in Asian countries. *Journal of Telemedicine and Telecare*, (1), 175–181. doi:10.1258/jtt.2009.080605.
- Dyk, L. Van, Campus, P., & Africa, S. 2014, *A Review of Telehealth Service Implementation Frameworks*, 1279–1298. doi:10.3390/ijerph110201279.
- Emtner M., Arne M., Janson C., Janson S., Boman G., Lindqvist U., Berner C. 2009, Physical Activity and quality of life in subjects with chronic disease: chronic obstructive pulmonary disease compared with rheumatoid arthritis and diabetes mellitus. *Scand J Prim Health Care*, 141-147. Doi:10.1080/02813430902808643.
- Fairbrother P., Pinnock H., Hanley J., McCloughan L., Sheikh A., Pagliari C., McKinstry B. 2013, Exploring telemonitoring and self-management by patient with chronic obstructive disease: A qualitative study embedded in randomized controlled trial. *Patient education and conseling*, 93,403-410.
- Fassier JB, Lamort-Bouché M, Sarnin P, Durif-Bruckert C, Péron J, Letrilliart L, Durand MJ, The intervention mapping protocol: A structured process to develop, implement and evaluate health promotion programs. *Rev Epidemiol Sante Publique*. Feb;64(1):33-44. doi: 10.1016/j.respe.2015.10.002. Epub 2015 Dec 30.
- Faustine I. 2012, *Evaluasi pengaruh konseling farmasis terhadap hasil terapi usia lanjut di poliklinik jantung RSUD Undata Palu Periode November-Desember 2012*, Tesis MSc., Fakultas Farmasi Universitas Gadjah Mada Yogyakarta
- Fernandes A, Pache S, Bird W, Bryden C. 2006, Measures to improve knowledge and self-care among patients with COPD: A UK general practice audit. *Prim Care Respir J*. 2006 Oct;15(5):307-9.
- Fink BJ, Rubin KB. 2005, Problems With Inhaler Use: A Call for Improved Clinician and Patient Education. *J. Respiratory Care* : 1360-1375.
- Fishbein, M. & Ajzen I. 1975, *Belief, Attitude, Intention an Behavior; An Introduction of Theory and Research*, London: Addison-Wesley Publishing Company.
- Fukuchi Y., 2009, The Aging Lung and Chronic Obstructive Pulmonary Disease:

Similarity and Difference, *Proceedings of the American Thoracic Society*, 6 (7)

Gaffar MS, Ambaram A, Ainslie GM, Bolliger CT, Feldman C, Geffen L, Irusen EM, Joubert J, Lalloo UG, Mabaso TT, Nyamande K, O'Brien J, Otto W, Raine R, Richards G, Smith C, Stickells D, Venter A, Visser S, Wong M. Guideline for the management of chronic obstructive pulmonary disease-2011 update. *S Afr Med J*. 2011 Jan;101(1 Pt 2):63-73.

Garcia A. Barberan, Vogiatz I., Solberg H. S., Vilorio J., Rodriguez D. A. 2014, Effect and barriers to development telehealth wellness programs for chronic patients across 3 European countries. *Respiratory Medicines*, 108, 628-637.

Gill, M. 2011, *A National Telehealth Strategy For Australia*. In Australian National Consultative Committee on Electronic Health.

Gin-Den C, Chien-Ning H, Yi-Sun Y and Chin-Yin L. 2014, Patient perception of understanding health education and instructions has moderating effect on glycemic control. *BMC Public Health* 2014 **14**:683. <https://doi.org/10.1186/1471-2458-14-683>

Global Initiative for Chronic Obstructive Lung Disease (GOLD). 2009, *Pocket Guide to COPD Diagnosis, Management, and Prevention*.

Global Initiative for Chronic Obstructive Lung Disease. 2014, , *Global Strategy for The Diagnosis, Management, and Prevention of Chronic Obstructive Pulmonary Disease* (Updated).

Global Initiative for Chronic Obstructive Lung Disease. 2015, *Global Strategy for The Diagnosis, Management, and Prevention of Chronic Obstructive Pulmonary Disease* (Updated).

Global Initiative for Chronic Obstructive Lung Disease. 2016, *Global Strategy for The Diagnosis, Management, and Prevention of Chronic Obstructive Pulmonary Disease* (Updated).

Global Initiative for Chronic Obstructive Lung Disease, 2017, *Global Strategy for The Diagnosis, Management, and Prevention of Chronic Obstructive Pulmonary Disease* (Updated).

Cohen MA, Horowitz TS, Wolfe JM. 2009, Auditory recognition memory is inferior to visual recognition memory. *Proc Natl Acad Sci USA*. 106(14):6008-6010.

Green J, Gommeren E, Creazzo J. 2008, *Pharmaceutical Aerosols – Enhancing The Metered Dose Inhaler*.

- Green, L. W. & Kreuter, W. M. 2000, *Health Promotion Planning Education*. California: Mayfield Publishing Company.
- Hailey, B. J., & Moss, S. B. 2000, Compliance behaviour in patients undergoing haemodialysis : a review of the literature. *Psychology, Health & Medicine*, 5(4), 395–406. doi:10.1080/13548500020002217.
- Heller, Sara, A.Pollack, Harold., Ander, Roseanna, Ludwig, Jens. 2013, Preventing Youth Violence And Dropout: A Randomized Field Experiment. *Nber Working Paper Series* No 1901. JEL No I24, I3, K42.
- Hardy, L.K. & Coutts, L.C. 1985, *Teaching for Health The Nurse as Health educator*, Singapura: Longman Singapore Publisher Ltd.
- Harris M, Smith BJ, Veale A. 2008, Patient education programs can they improve outcomes in COPD? *Int J Chron Obstruct Pulmon Dis*.3(1):109-12.
- Hesselink AE, Penninx BW, van der Windt DA, van Duin BJ, de Vries P, Twisk JW, Bouter LM, van Eijk JT. 2004, Effectiveness of an education programme by a general practice assistant for asthma and COPD patients: results from a randomised controlled trial. *Patient Educ Couns.*, Oct;55(1):121-8.
- Hernandez, P., Balter, M., Bourbeau J., Hodder R. 2009, Living with chronic obstructive pulmonary disease: A survey of patient knowledge and attitude. *Respiratory Medicine*. 103,1004-1012.
- Hess, D.R., 2007. The mask for noninvasive ventilation: principles of design and effects on aerosol delivery. *Journal of aerosol medicine*, 20(s1), pp.S85-S99.
- Hickey, V.J. 2003, *The Clinical Practice of Neurological and Neosurgical Nursing*. 5 th ed. Philadelphia: Lippincott William & Wilkins.
- Ikawati Z. 2011, *Farmakologi Sistem Pernafasan*. Pustaka Adipura, Yogyakarta.
- Irwanto. 2005, *Focused Group Discussion sebuah pengantar praktis*. Yayasan Pustaka Obor. Indonesia.
- Jain NK, Thakkar MS, Rohan KA, Sharma M. 2011, Chronic obstructive pulmonary disease: Does gender really matter? *Lung India*. 2011 Oct-Dec; 28(4): 258–262.
- Jakobsen AS, Laursen LC, Østergaard B, Rydahl-Hansen S, Phanareth KV. 2013, Hospital-admitted COPD patient treated at home using telemedicine

technology in The Virtual Hospital Trial: methods of a randomized effectiveness trial. *Trials*. Sep 3;14:280. doi: 10.1186/1745-6215-14-280.

Jawa Pos. 2013, *Kawasan Industri Baru Menjamur di Jawa Timur*.

Jolly GP, Mohan A, Guleria R, Poulose R, George J. 2015, Evaluation of Metered Dose Inhaler Use Technique and Response to Educational Training. *The Indian Journal of Chest Diseases & Allied Sciences*. 57:17-20

Jones PW. 2001, *Health Status Measurement in Chronic Obstructive Pulmonary*.

Jones RC, Hyland ME, Hanney K, Erwin J. 2004, A qualitative study of compliance with medication and lifestyle modification in Chronic Obstructive Pulmonary Disease (COPD). *Prim Care Respir J*. Sep;13(3):149-54.

Joseph, V., West, R. M., Shickle, D., Keen, J., & Clamp, S. 2011, Key challenges in the development and implementation of telehealth projects, *J Telemed Telecare*. 17(2):71–77.

Kaptein AA, Fischer MJ, Scharloo M. 2014, Self-management in patients with COPD: theoretical context, content, outcomes, and integration into clinical care. *International Journal of Chronic Obstructive Pulmonary Disease*. 9:907-917.

Katajisto M, Kupiainen H, Rantanen P, Lindqvist A, Kilpeläinen M, Tikkanen H, Laitinen T. 2012. Physical inactivity in COPD and increased patient perception of dyspnea. *Int J Chron Obstruct Pulmon Dis*. ;7:743-55. doi: 10.2147/COPD.S35497. Epub Oct 29.

Katsura H, Yamada K, Wakabayashi R, Kida K. 2007, Gender-associated differences in dyspnoea and health-related quality of life in patients with chronic obstructive pulmonary disease. *Respirology*. May;12(3):427-32.

Karpicke JD. 2016, A powerful way to improve learning and memory: Practicing retrieval enhances long-term, meaningful learning. *American Psychological Association*.

Koehorst-ter Huurne K, Movig K, van der Valk P, van der Palen J, Brusse-Keizer M. 2015. Differences in Adherence to Common Inhaled Medications in COPD. *COPD*. ;12(6):643-8. Epub 2015 Mar 16.

Kirham, R. 2006, Oxidative Stress in Asthma and COPD: Antioxidants as A Therapeutic Strategy, *Pharmacology & Therapeutics*, 111, 476 – 494.

- Kline K., James S. McCarthy, Pearson M, Loukas A., & Hotez P. (2013). Neglected tropical diseases of oceania: review of their prevalence, distribution, and opportunities for control. *Plos neglected tropical diseases*, 7, 17-55.
- Kurt B Stage, Thomas Middelboe, Tore B Stage, and Claus H Sørensen. 2006, Depression in COPD management and quality of life considerations. *Int J Chron Obstruct Pulmon Dis*. September; 1(3): 315–320.
- Kuo-Wei H., Yee-Yung N., Ching-Liang L., Tseng-Shing C., Hsiao-Yi L., Jiing-Chyuan L., Jia-Min W., Han-Chieh L., Full-Young C., and Shou-Dong L., 2010, Corticosteroids therapy and peptic ulcer disease in nephrotic syndrome patients. *Br J Clin Pharmacol.*, Nov; 70(5): 756–761.
- Lacasse Y, Goldstein R, Lasserson TJ, Martin S. 2006, Pulmonary rehabilitation for chronic obstructive pulmonary disease. *Cochrane Database Syst Rev*. Oct 18;(4):CD003793.
- Lalani NS. 2012, A study of knowledge assessment and competence in asthma and inhaler technique of nurses employed at university teaching hospital. *The Health* 2012; 3(1): 16-18.
- Lavorini F, Magnan A, Dubus C, et al. 2008, Effect of Incorrect Use of Dry Powder Inhaler on Management Patients with Astma and COPD. *Respiratory Medicine* 102 : 593-604.
- L.A do Nascimento et al. 2015, Validation of Educational Video to Promote Self-Efficacy in Preventing Childhood Diarrhea Health, 7, 192-200.
- Lee SM, Chang YS, Kim CW, Kim TB, Kim SH, Kwon YE, et al. 2011, ,Skills in Handling Turbuhaler, Diskus, and Pressurized Metered-Dose Inhaler in Korean Asthmatic Patients. *Allergy Asthma Immunol Res*. January;3(1):46-52.
- Leiva-Fernández F, Leiva-Fernández J, Zubeldia-Santoyo F, García-Ruiz A, Prados-Torres D, Barnestein-Fonseca P. 2012, Efficacy of two educational interventions about inhalation techniques in patients with chronic obstructive pulmonary disease (COPD). TECEPOC: study protocol for a partially randomized controlled trial (preference trial). *Trials*.13:64
- Leiva-Fernández J, Leiva-Fernández F, García-Ruiz A, Prados-Torres D, Barnestein-Fonseca P. 2014. Efficacy of a multifactorial intervention on therapeutic adherence in patients with chronic obstructive pulmonary disease (COPD): a randomized controlled trial. *BMC Pulm Med*. Apr 25;14:70. doi: 10.1186/1471-2466-14-70.

- Lii, Y.-C., Tsay, S.-L., & Wang, T.-J. 2007, Group intervention to improve quality of life in haemodialysis patients. *Journal of Clinical Nursing*, 16(11C), 268–75. doi:10.1111/j.1365-2702.2007.01963.
- Liu XL, Tan JY, Wang T, Zhang Q, Zhang M, Yao LQ, Chen JX. 2014, Effectiveness of home-based pulmonary rehabilitation for patients with chronic obstructive pulmonary disease: a meta-analysis of randomized controlled trials. *Rehabil Nurs.*, Jan-Feb;39(1):36-59. doi: 10.1002/rnj.112. Epub 2013 Jun 18.
- Lorig KR, Holman H. 2003, Self-management education: history, definition, outcomes, and mechanisms. *Ann Behav Med.*, 26:1–7.
- Lou P, Chen P, Zhang P, Yu J, Wang Y, Chen N, Zhang L, Wu H, Zhao J. A COPD health management program in a community-based primary care setting: a randomized controlled trial. *Respir Care*. 2015 Jan;60(1):102-12. doi: 10.4187/respcare.03420. Epub 2014 Nov 4.
- Lundell S., Holmner A., Rehn B., Nyberg A., Wadell K. 2015, Telehealth care in COPD: A systematic review and meta-analysis on physical outcomes and dyspnea, *Respiratory Medicines*.109, 11-26.
- Luo JC, Chang FY, Lin HY, Lu RH, Lu CL, Chen CY, Lu RH, Lee SD. 2002, The potential risk factors leading to peptic ulcer formation in autoimmune disease patients receiving corticosteroid treatment. *Aliment Pharmacol Ther.*, 16:1241–8
- MacIntyre NR. 2006, Corticosteroid Therapy and Chronic Obstructive Pulmonary Disease. *Respiratory care*. 51(3):289-296.
- Mathers CD, Loncar D. 2006, Projections of global mortality and burden of disease from 2002 to 2030. *PLoS Med* 3(11): e442. doi:10.1371/journal.pmed.0030442.
- Mara Paneroni, Enrico Clini, Ernesto Crisafulli, Enrico Guffanti, Alessia Fumagalli, Antonella Bernasconi, Antonella Cabiaglia, Antonello Nicolini, Stefania Brogi, Nicolino Ambrosino, Roberta Peroni, Luca Bianchi, and Michele Vitacca. Feasibility and Effectiveness of an Educational Program in Italian COPD Patients Undergoing Rehabilitation. *Respir Care* 2013;58(2):327–333.
- Marieb E. 2004, *Essential of Human Anatomy and Physiology*. Benjamin Cummings, California.

- Mastin, L. 2010, The Human Memory. [ONLINE] Available at: <http://www.humanmemory.net/>.
- McCrum-Gardner, E., 2010. Sample size and power calculations made simple. *International Journal of Therapy and Rehabilitation*, 17(1), p.10.
- Miravittles M, Ferrer M, Pont A, Zalacain R, Alvarez-Sala JL, Masa F, Vereá H, Murio C, Ros F, Vidal R. 2004, Effect of exacerbations on quality of life in patients with chronic obstructive pulmonary disease: a 2 year follow up study. *Thorax* 2004;59:387–395.
- Miravittles M, de la Roza C, Morera J, Montemayor T, Gobartt E, Martín A, Alvarez-Sala JL. 2006, Chronic respiratory symptoms, spirometry and knowledge of COPD among general population. *Respir Med*. Nov;100(11):1973-80. Epub 2006 Apr 12.
- Monninkhof E, Valk PVD, Palen JVD, Herwaarden CV, Partridge MR, Zielhuis G. 2003, Self-management education for patients with chronic obstructive pulmonary disease: a systematic review. *Thorax*. 58:394-398
- Monninkhof EM, van der Valk PD, van der Palen J, et al. 2004, Self-management education for chronic obstructive pulmonary disease. *Cochrane Database of Syst Rev*. CD002990.
- Morisky, D.E., Ang, A., Krousel-wood, M., and Ward, H.J. 2008, Predictive validity of a medication adherence measure in an outpatient setting. *Journal of clinical hypertension (Greenwich, conn.)* 10:348-354
- Morgan DL. 1997, *Focus groups as qualitative research*. 2nd ed Thousand Oaks, CA: Sage publications.
- Mousing CA., Lomborg K. 2012, Self-care 3 months after attending chronic obstructive pulmonary disease patient education: a qualitative descriptive analysis. *Patient Prefer Adherence*.6:19-25. doi: 10.2147/PPA.S28466. Epub 2012 Jan 4.
- MRC. 2000, A framework for development and evaluation of RCTs complex interventions to improve health. London: Medical Research Council.
- Mursiany A. 2013. *Pengaruh Kepatuhan Pasien Dan Ketepatan Terapi Terhadap Hasil Terapi Pasien Penyakit Paru Obstruksi Kronik di Poli Paru RSUD Dr. Moewardi Surakarta*.
- M.W.J. Schols, G. Wesseling, A.D.M. Kester, G. de Vries, R. Mostert, J. Slangen, E.F.M. Wouters. 2001, Dose dependent increased mortality risk in COPD patients treated with oral glucocorticoids. *Eur Respir J*, 17: 337–

342.

Nakre PD dan Harikiran AG. 2013, Effectiveness of oral health education programs: A systematic review. *J Int Soc Prev Community Dent.*, Jul-Dec; 3(2): 103–115.

National Asthma Council Australia. 2006, *Asthma Management Handbook*.

National Asthma Council Australia, 2008, *Inhaler technique in adults with asthma or COPD* (online). (www.nationalasthma.org.au)

Newman, M.G., Carranza, F.A., Bulkasez, J., Quirynen, M., Teughels, W., Haake, S.K., 2006, Microbiology of Periodontal Disease in Carranza's Clinical Periodontology, 10th ed Saunders Elseviers, Los Angeles.

Nicole DA B., Nathalie VV., Oscar JV., Esther MM, Klaas AH, Paul L, Peter P, Beeck, Tischa JM. 2012, *Results from the Improving Medication Prescribing to Reduce Risk Of FALLs (IMPROVeFALL) Study A Randomized Controlled Trial*.

Nielsen, K.G., Auk, I.L., Bojsen, K., Ifversen, M., Klug, B. and Bisgaard, H., 1998. Clinical effect of Diskus dry-powder inhaler at low and high inspiratory flow-rates in asthmatic children. *European Respiratory Journal*, 11(2), pp.350-354.

Nguyen HQ, Fan VS, Herting J, Lee J, Fu M, Chen Z, Borson S, Kohen R, Matute-Bello G, Pagalilauan G, Adams SG. 2013, Patients with COPD with higher levels of anxiety are more physically active. *Chest*. Jul;144(1):145-51. doi: 10.1378/chest.12-1873.

Notoatmodjo. 2007, *Promosi Kesehatan dan Ilmu Perilaku*. Jakarta : Rineka Cipta.

Odili VU dan Okoribe CO. 2010, Assessment of Pharmacists' knowledge on correct inhaler technique. *Research Journal of Pharmaceutical, Biological and Chemical Sciences*. 1(3):768-772.

O'Donnel R, Breen D, Wilson S, 2006, Inflammatory cells in the airways in COPD, *Thorax*. 61:448-454

Oemiati R. 2013, Kajian Epidemiologis Penyakit Paru Obstruktif Kronis (PPOK). *Media Litbangkes* 23(2):82-88.

Okutan O, Tas D, Demirer E, Kartaloglu Z. 2013, Evaluation of Quality of Life with the Chronic Obstructive Pulmonary Disease Assessment Test in Chronic Obstructive Pulmonary Disease and the Effect of Dyspnea on Disease-Specific Quality of Life in These Patients. *Yonsei Medical Journal*.

54(5):1214-1219

- Osman A, Hassan ISA, Ibrahim MIM. 2012, Are Sudanese community pharmacists capable to prescribe and demonstrate asthma inhaler devices to patrons? A mystery patient study. *Pharmacy Practice (Internet)*. 10(2):110-115
- Palen VD, Klein JJ, Schildkamp AM. 1998, Comparison of a new multidose powder inhaler (Diskus/Accuhaler) and the Turbuhaler regarding preference and ease of use. *J Asthma*. 35(2):147-52.
- Patriani, A. A., Paramastri, I., & Priyanto, M. A. 2010, Pemberdayaan Keluarga Dalam Rehabilitasi Medik Paru Pada Penderita Penyakit Paru Obstruksi Kronik Di Balai Pengobatan Penyakit Paru-Paru Yogyakarta. *Berita Kedokteran Masyarakat*, 26(2), 55–62.
- Paneroni M., Clini E, Crisafulli E, Guffanti E, Fumagalli A, Bernasconi A, Cabiaglia A, Nicolini A, Brogi S, Ambrosino N, Peroni R, Bianchi L, Vitacca M. 2013, Feasibility and effectiveness of an educational program in Italian COPD patients undergoing rehabilitation. *Respiratory Care*. February 2013, 58 (2) 327-333.
- Paramita, A. and Kristiana, L., 2013. Teknik Focus Group Discussion Dalam Penelitian Kualitatif. *Buletin Penelitian Sistem Kesehatan*, 16(2 Apr)
- Peian Lou, Peipei Chen, Pan Zhang, Jiayi Yu, Yong Wang MD, Na Chen, Li Zhang, Hongmin Wu, Jing Zhao. 2015. A COPD Health Management Program in a Community-Based Primary Care Setting: A Randomized Controlled Trial. *Respir Care*;60(1):102–112.
- Perhimpunan Dokter Paru Indonesia. 2011, *Penyakit Paru Obstruktif Kronik (PPOK) : Pedoman Diagnosis & Penatalaksanaan Di Indonesia*.
- Prime, D., Atkins, P.J., Slater, A. and Sumby, B., 1997. Review of dry powder inhalers. *Advanced drug delivery reviews*, 26(1), pp.51-58.
- Restrepo RD, Alvarez MT, Wilkins RL. 2008, Medication adherence issues in patients treated for COPD. *International Journal of Chronic Obstructive Pulmonary Disease*. 3(3):371-384.
- Pothirat C, Chaiwong W, Phetsuk N, Pisalathanapuna S, Chetsadaphan N, Choomuang W. 2015, Evaluating inhaler use technique in COPD patients. *International Journal of COPD*., 10:1291-1298.
- Polit D F., Beck C T. 2004, *Nursing Research: Principles and Methods*, (M. Zuccarini, Ed.) (7th ed.). Philadelphia: LippincottWilliams & Wilkins.

Rotahaler |GINA [Internet]. Available from:
<http://www.ginasthma.org/inhalers/15>

Rapoff MA, Bartlett SJ. 2006, *Adherence in children and adults*. In: Bartlett SJ, ed. Clinical care in the rheumatic diseases. Atlanta: *American College of Rheumatology*,279–84.

Reda AA. 2010, reliability and validity of the clinical COPD questionnaire and chronic respiratory questionnaire. *Respir Med.*, Nov (11):1675-82.doi:10.1016/j.med.2010.04.023.Epub 2010 Jun 11.

Reddy CS, Swain K, Shivakumar HG, et al, 2014, Past And Present Trends of Dry Powder Inhaler Devices: A Review. *Journal of Drug Delivery & Therapeutics* : 97-107.

Ritsema TS., William LW. 2014, Satisfaction of doctors with the role of physician associates. *Clin Med.* Apr;14(2):113-6. doi: 10.7861/clinmedicine.14-2-113.

Putr, PWK. 2017, Pengaruh Self Management Education Terhadap Pemberdayaan Pasien Penyakit Paru Obstruksi Kronik (PPOK) di RSUD Wangaya Denpasar. *Jurnal Caring* Volume 1 No 1 Juni

Sanduzzi A, Balbo P, Candoli P, Catapano GA, Contini P, Mattei A, Puglisi G, Santoiemma L, Stanziola AA. 2014, COPD: adherence to therapy. *Multidisciplinary Respiratory Medicine*. 9:60.

Ida Diana Sari, Ro ngatul Mubasyiroh, Sudibyo Supardi. 2014. Relationship between Knowledge and Attitude and Patient Compliance Among Outpatient Tuberculosis in Jakarta Province, *Media Litbangkes, Vol. 26 No. 4, Desember 2016, 243–248*

Kendall, J.M. 2003, Designing a research project: randomised controlled trials and their principles, *Emergency medical journal*, 20:164-168

Scanlon P. 2004, The Pathogenesis and Pathology of COPD: Identifying Risk Factors and Improving Morbidity and Mortality, *Adv Stud Med*, Vol. 4, S744S749.

Scott AS, Baltzan MA, Dajczman E, Wolkove N. 2011, Patient knowledge in chronic obstructive pulmonary disease: back to basics. *COPD*. Oct;8(5):375-9.

Scott, R. E., McCarthy, F. G., Jennett, P. A., Perverseff, T., Lorenzetti, D., Saeed, A., Yeo, M. 2007, Telehealth Outcomes. *Journal of Telemedicine and Telecare*, 13(Suppl. 2). doi:10.1258/135763307782213534

- Shelton JR, Martin RC, Yaffee LS. 1992. *Investigating a verbal short-term memory deficit and its consequences for language processing*. In Margolin DI. *Cognitive Neuropsychology in Clinical Practice*. Oxford University Press.
- Siddique HH, Olson RH, Parenti CM, Rector TS, Caldwell M, Dewan NA, Rice KL. 2012, Randomized trial of pragmatic education for low-risk COPD patients: impact on hospitalizations and emergency department visits. *Int J Chron Obstruct Pulmon Dis.*, 7:719-28. doi: 10.2147/COPD.S36025. Epub 2012 Oct 25.
- Silvia P, Anna, Saptuti W, Sri. Hubungan Pengetahuan dengan Tingkat Kepatuhan Pengobatan pada Pasien Tuberkulosis di RSUD Dr. Soehadi Prijonegoro Sragen. *Jurnal Farmasi Sains dan Praktis*, v. 2, n. 1, p. 46-52, sep. 2016. issn 2579-4558.
- Sims MW. 2011, Aerosol Therapy for Obstructive Lung Diseases. *Chest*. Sep;140(3):781–8.
- Smith, Jonathan A., Flowers, Paul., and Larkin. Michael. 2009. *Interpretative phenomenological analysis: Theory, method and research*. Los Angeles, London, New Delhi, Singapore, Washington: Sage.
- Spurzem, Rennard, 2005, *Pathogenesis of COPD*, (online), (<http://www.medscape.com/viewarticle/505431>).
- Steindal S.A, Österlind J, Halvorsen K, Schjelderup T, Kive E, Sørbye LW, and Dihle A. 2016. A qualitative study of women's experiences of living with COPD. *Nurs Open*. 2017 Oct; 4(4): 200–208. doi: 10.1002/nop2.86
- Stellefson M, Chaney BH, Chaney JD. 2009, Examining the efficacy of DVD technology compared to print-based material in COPD self-management education of rural patients. *Californian J Health Promot.*, Dec;7(2):26-42.
- Steventon A, Tunkel S, Blunt I, Bardsley M., 2013, Effect of telephone health coaching (Birmingham OwnHealth) on hospital use and associated costs: cohort study with matched controls. *BMJ*. Aug 6;347:f4585.
- Stoilkova, A., Janssen, D. J. A., & Wouters, E. F. M. 2013, Educational programmes in COPD management interventions : A systematic review. *Respiratory Medicine*, 107(11), 1637–1650.
- Sugiyono. 2013. *Metode Penelitian Pendidikan Pendekatan Kuantitatif, Kualitatif dan R&D*. Bandung : Alfabeta
- Sundh J, Janson C, Lisspers K, Montgomery S. 2012, Clinical COPD

Questionnaire score (CCQ) and mortality. *Int J Chron Obstruct Pulmon Dis*, 7:833-842. doi: 10.2147/COPD.S38119

Sven L. Klijn, Mickaël Hiligsmann, Silvia M. A. A. Evers, Miguel Román-Rodríguez, Thys van der Molen and Job F. M. van Boven. Effectiveness and success factors of educational inhaler technique interventions in asthma & COPD patients: a systematic review. *Primary Care Respiratory Medicine* (2017)27:24 ; doi:10.1038/s41533-017-0022-1

Tabak, M., Brusse-keizer, M., Valk, P. Van Der, Hermens, H., & Vollenbroek-, M. 2014, A telehealth program for self-management of COPD exacerbations and promotion of an active lifestyle: a pilot randomized controlled trial. *International Journal of COPD*, 9, 935–945

Tannversi E, Suner KO, Suner H, Iliaz S, Annakkaya AN. 2015, The Evaluation of Family Physicians' Knowledge on the Use of Inhalation Devices. *Eurasian J Pulmonol.*, 17: 98-102

Tayde P, Kumar S. 2013, Chronic obstructive pulmonary disease in the elderly: evaluation and management. *Asian J Gerontol Geriatr.*, 8:90-97.

Taylor C. 2015, *The Effectiveness of Visual and Auditory Memory*. <http://www.youngscientist.com.au/wp-content/uploads/2015/02/Biology-10-12-Catherine-Taylor-report.pdf>

Turner J, Wright E, Mendella L, et al. 1995, Predictors of patient adherence to long-term home nebulizer therapy for COPD. The IPPB Study Group. Intermittent Positive Pressure Breathing. *Chest*, 108:394–400.

Udsen, F. W., Hejlesen, O., & Ehlers, L. H. 2014, A systematic review of the cost and cost-effectiveness of telehealth for patients suffering from chronic obstructive pulmonary disease. *Journal of Telemedicine and Telecare*, 20(4), 212–220. doi:10.1177/1357633X14533896.

Van der molen T, Willemse BW, Schokker S, ten Hacken NH, Postma DS, Juniper EF. 2013, Development, validity and responsiveness of the Clinical COPD Questionnaire. *Health Qual Life.*, 1:13

Walters J, Cameron-Tucker H, Wills K, Schüz N, Scott J, Robinson A, Nelson M, Turner P, Wood-Baker R, Walters EH. 2013, Effects of telephone health mentoring in community-recruited chronic obstructive pulmonary disease on self-management capacity, quality of life and psychological morbidity: a randomised controlled trial. *BMJ Open*. Sep 6;3(9):e003097. doi: 10.1136/bmjopen-2013-003097.

Warsi A, Wang PS, La Valley MP, et al. 2004, Self-management education

programs in chronic disease: a systematic review and methodological critique of the literature. *Arch Intern Med.* 164:1641–9.

Wawan dan Dewi. 2010, *Pengetahuan, sikap, dan Perilaku Manusia*. Yogyakarta: Nuha Medika.

Weldam SW, Schuurmans MJ, Liu R, Lammers JW. 2013, Evaluation of Quality of Life instruments for use in COPD care and research: a systematic review. *Int J Nurs Stud.* May;50(5):688-707. doi: 10.1016/j.ijnurstu.2012.07.017. Epub 2012 Aug 24. Review.

White R, Walker P, Roberts S, Kalisky S, White P. 2006, Bristol COPD Knowledge Questionnaire (BCKQ): testing what we teach patients about COPD. *Chron Respir Dis.*, 3(3):123-31.

Wiśniewski D, Porzezińska M, Gruchała-Niedoszytko M, Niedoszytko M, Słomiński JM, Jassem E. 2014, Factors influencing adherence to treatment in COPD patients and its relationship with disease exacerbations. *Pneumonol Alergol Pol.* 82(2):96-104.

Wodskou, P.M., Høst, D., Godtfredsen, N.S. and Frølich, A., 2014. A qualitative study of integrated care from the perspectives of patients with chronic obstructive pulmonary disease and their relatives. *BMC Health Services Research*, 14(1), p.471

Wong SSL, Abdullah N, Abdullah A, Liew SM, Ching SM, Khoo EM, Jiwa M, Chia YC. 2014, Unmet needs of patients with chronic obstructive pulmonary disease (COPD): a qualitative study on patients and doctors. *BMC Family Practice.* 15:67

World Health Organization. 1998, *Education for Health a Manual on Health Education in Primary Health Care*, Geneva: World Health Organization.

World Health Organization. 2014, *Burden COPD*. Available at: <http://www.who.int/respiratory/copd/burden/en/>.

World Health Organization. 2003, *Adherence to long-term therapies. Evidence for action*. Geneva: World Health Organization.

Wortz K, Cade A, Menard JR, Lurie S, Lykens K, Bae S, Jackson B, Su F, Singh K, Coultas D. 2012. A qualitative study of patients' goals and expectations for self-management of COPD. *Prim Care Respir J.* Dec;21(4):384-91. doi: 10.4104/pcrj.2012.00070.