

DAFTAR PUSTAKA

- [1] C. Kaur, A. Sema, R. S. Beri, and J. M. Puliyeel, “A simple circuit to deliver bubbling CPAP,” *Indian Pediatr.*, vol. 45, no. 4, pp. 312–314, 2008.
- [2] K. M. Bonner and R. O. Mainous, “The nursing care of the infant receiving bubble CPAP therapy,” *Adv. Neonatal Care*, vol. 8, no. 2, pp. 78–95, 2008, doi: 10.1097/01.ANC.0000317256.76201.72.
- [3] H. K. Lee, “The effects of infant massage on weight, height, and mother-infant interaction.,” *Taehan Kanho Hakhoe Chi*, vol. 36, no. 8, pp. 1331–1339, 2006, doi: 10.4040/jkan.2006.36.8.1331.
- [4] A. Putra, Tri Bowo Indrato, and Liliek Soetjatie, “The Design of Oxygen Concentration and Flowrate in CPAP,” *J. Electron. Electromed. Eng. Med. Informatics*, vol. 1, no. 1, pp. 6–10, 2019, doi: 10.35882/jeeemi.v1i1.2.
- [5] A. Thukral, M. J. Sankar, A. Chandrasekaran, R. Agarwal, and V. K. Paul, “Efficacy and safety of CPAP in low- and middle-income countries,” *J.*

Perinatol., vol. 36, no. S1, pp. S21–S28, 2016, doi:
10.1038/jp.2016.29.

- [6] R. M. D. RRT-NPS, "Nasal Continuous Positive Airway Pressure (CPAP) for the Respiratory Care of the Newborn Infant," vol. 54, no. 9, pp. 1209-1235, 2009.
- [7] R. K. Kakkar, "Continuous Positive Airway Pressure," *Encycl. Sleep*, pp. 490-499, 2013.
- [8] A. S. R. S. B. a. J. M. P. Charanjit Kaur, "A Simple Circuit to Deliver Bubbling CPAP," *Department of Pediatrics, St Stephens Hospital*, vol. 46, no. 3, pp. 171-174, 2007
- [9] M. Falk, S. Donaldsson, and T. Drevhammar, "Correction: Infant CPAP for low-income countries: An experimental comparison of standard bubble CPAP and the Pumani system," *PLoS One*, vol. 13, no. 7, p. e0201083, 2018, doi: 10.1371/journal.pone.0201083.
- [10] L. Bec, "Pneumatic Alarm For Respirator," *United States Patent*, no. 19, pp. 363-408, 1989.
- [11] A. Ashish *et al.*, "CPAP management of COVID-19 respiratory failure: A first quantitative analysis from an inpatient service evaluation," *BMJ Open*

Respir. Res., vol. 7, no. 1, pp. 1–9, 2020, doi: 10.1136/bmjresp-2020-000692.

- [12] A. B. Raine, N. Aslam, C. P. Underwood, and S. Danaher, *Development of an ultrasonic airflow measurement device for ducted air*, vol. 15, no. 5. 2015.
- [13] H. Suryawati, “Positive Airway Pressure sebagai Terapi Definitif Obstructive Sleep Apnea (OSA),” *Cermin Dunia Kedokt.*, vol. 45, no. 5, pp. 381–384, 2018.
- [14] A. Maier, A. Sharp, and V. Yuriy, “Comparative Analysis and Practical Implementation of the ESP32 Microcontroller Module for the Internet of Things,” *2017 Internet Technol. Appl.*, pp. 143–148, 2014.
- [15] M. S. D. M. F. A. T. S. Kyong-Soon Lee, "A Comparison of Underwater Bubble," *Biology of the Neonate*, vol. 73, pp. 69-75, 1998.
- [16] G. P. Y. G. N. D. N. K. J. S. Basava Kumar Mukkundi1, "Implementation of Conventional Air – Oxygen Blending in," *COMSNETS*, pp. 807-812, 2019.

- [17] Alice Won, Daniela Suarez-Rebling, Arianne L. Baker, Thomas F. Burke & Brett D. Nelson “Bubble CPAP devices for infants and children in resource-limited setting: review of the literature,” *Paediatrics and International Child Health.*, vol. 39, no. 3, pp. 168–176, 2019.
- [18] Akanksha Verma, Rahul Jaiswal, Kirti M Naranje, Girish Gupta A Nita Singh "Bubble CPAP splitting: innovative strategy in resource-limited settings" *Arc Dis Child*, 2020.
- [19] K. Kawaza *et al.*, “Efficacy of a low-cost bubble CPAP system in treatment of respiratory distress in a neonatal ward in Malawi,” *Malawi Med. J.*, vol. 28, no. 3, pp. 131–138, 2016, doi: 10.1371/journal.pone.0086327.
- [20] S. Rahmadya, Priyambada, N. MT, and E. Dian, “Monitoring Konsentrasi Oksigen Pada Alat Bubble CPAP,” pp. 1–6, 2018.
- [21] G. Y. Chang, C. A. Cox, and T. H. Shaffer, “Nasal cannula, CPAP, and high-flow nasal cannula: Effect of flow on temperature, humidity, pressure, and resistance,” *Biomed. Instrum. Technol.*, vol. 45,

- no. 1, pp. 69–74, 2011, doi: 10.2345/0899-8205-45.1.69.
- [22] Y. Nursakina and Y. Prawira, “Perbandingan Penggunaan Heated Humidified High Flow Oxygen Therapy dan Low Flow Oxygen Therapy pada Pasien dengan Hipoksemia: Tinjauan Kasus Berbasis Bukti,” *Sari Pediatri.*, vol. 21, no. 3, p. 195, 2019, doi: 10.14238/sp21.3.2019.195-201.
- [23] “Sechrist_Air-Oxygen_Mixer_-_Service_manual.pdf.” .
- [24] K. Bayi, B. Lahir, and B. D. A. N. Balita, *Pedoman*. 2013.
- [25] L. Ferrara *et al.*, “Effect of nasal continuous positive airway pressure on the pharyngeal swallow in neonates,” *J. Perinatol.*, vol. 37, no. 4, pp. 398–403, 2017, doi: 10.1038/jp.2016.229.
- [26] Al-Lawama, M., Alkhatib, H., Wakileh, Z., Elqaisi, R., AlMassad, G., Badran, E., & Hartman, T. (2019). Bubble CPAP therapy for neonatal respiratory distress in level III neonatal unit in Amman, Jordan: A prospective observational study. *International Journal of General Medicine*.

- [27] Ekhuaguer, O., Patel, S., & Kirpalani, H. (2019). Nasal Intermittent Mandatory Ventilation Versus Nasal Continuous Positive Airway Pressure Before and After Invasive Ventilatory Support. *Clinics in Perinatology*.
- [28] Fischer, C. Bertelle, V., Hohlfeld, J. Forcada-Geux, M., Stadelmann-Diaw, C., Tolsa, J.F., 2010. Nasal trauma due to continuous positive airway pressure in neonates. *Arch. Dis. Child Fetal Neonatal*. Ed. 95, F447eF451
- [29] Girvan, L., Wang, W., & Plummer, V. (2018). CPAP for infants in rural and metropolitan special care nurseries: Perspectives of Nurse Unit Managers. *Journal of Neonatal Nursing*, 24(6), 336– 339.
- [30] Gupta, S., & Donn, S. M. (2016). Continuous Positive Airway Pressure. *Clinics in Perinatology*, 43(4), 647–659.
- [31] Hermansen, C. L., & Mahajan, A. (2015). Newborn Respiratory Distress. *American Family Physician*
- [32] Huang, L., Roberts, C. T., Manley, B. J., Owen, L. S., Davis, P. G., & Dalziel, K. M. (2018). Cost-Effectiveness Analysis of Nasal Continuous

Positive Airway Pressure Versus Nasal High Flow Therapy as Primary Support for Infants Born Preterm. *The Journal of Pediatrics*, 196, 5864.e2.

- [33] Jensen, E. A., Chaudhary, A., Bhutta, Z. A., & Kirpalani, H. (2016). Non-invasive respiratory support for infants in low-and middle-income countries. *Seminars in Fetal and Neonatal Medicine*, 21(3), 181–188.
- [34] Javaid, M., & Haleem, A. (2019). Industry 4.0 applications in medical field: A brief review. *Current Medicine Research and Practice*.
- [35] Lissauer, T., Duke, T., Mellor, K., & Molyneux, L. (2017). Nasal CPAP for neonatal respiratory support in low and middleincome countries. *Archives of Disease in Childhood - Fetal and Neonatal Edition*, 102(3), F194–F196.
- [36] Martin S, Duke T, Davis P . Efficacy and safety of bubble CPAP in neonatal care in low and middle income countries: a systematic review *Archives of Disease in Childhood - Fetal and Neonatal Edition* 2014;99:F495-F504.
- [37] Mathai, S. S., Rajeev, A., & Adhikari, K. M. (2014). Safety and effectiveness of bubble

continuous positive airway pressure in preterm neonates with respiratory distress. *Medical Journal Armed Forces India*, 70(4), 327–331.

- [38] Milligan, P. S., & Goldstein, M. R. (2017). Implementation of an evidence-based non-invasive respiratory support (NIRS) bundle in the NICU to decrease nasal injury complications. *Journal of Neonatal Nursing*, 23(2), 89–98
- [39] Poli JA, Richardson CP, DiBlasi RM. Volume oscillations delivered to a lung model using 4 different bubble CPAP systems. *Respir Care* 2015;60:371–81
- [40] Richarda, Ellyn Hamma ,et al. (2019). Effects of two non-invasive continuous positive pressure devices on the acoustic environment of preterm infants. *Journal of Neonatal Nursing*.
- [41] Meurice JC, Paquereau J, Denjean A, Patte F, Sériès F: Influence of correction of flow limitation on continuous positive airway pressure (CPAP) efficiency in Meurice JC, Paquereau J, Denjean A, Patte F, Sériès F: Influence of correction of flow limitation on continuous positive airway pressure

- (CPAP) efficiency in sleep apnoea/hypopnoea syndrome. *Eur Respir J* 1998, 11:1121-1127
- [42] Teschler H, Berthon-Jones M: Intelligent CPAP systems: clinical experience. *Thorax* 1998, 53:S49-54.
- [43] Randerath WJ, Schraeder O, Galetke W, Feldmeyer F, Rühle KH. Autoadjusting CPAP therapy based on impedance efficacy, compliance and acceptance. *Am J Respir Crit Care Med* 2001;163:652-7
- [44] Hosselet JJ. Auto-controlled continuous positive pressure in the titration and treatment of obstruction sleep disorders. *Rev Mal Respir.* 2000;17(suppl 3):S81-9.
- [45] Ficker, J. H., G. H. Wiest, G. Lehnert, and E. G. Hahn. 1998. Evaluation of an auto-CPAP device for treatment of obstructive sleep apnoea. *Thorax* 53: 643-648
- [46] Clifford A. Massie, Nigel McArdle, Robert W. Hart, Wolfgang W. Schmidt-Nowara, Alan Lankford, David W. Hudgel, Nancy Gordon and Neil J. Douglas. Comparison between Automatic and Fixed Positive Airway Pressure Therapy in the

- Home. American Journal of Respiratory and Critical Care Medicine Vol 167. pp. 20-23, (2003)
- [47] Teschler H, Wessendorf TE, Farhat AA, Konietkzo N, Berthon-Jones M. Two months auto-adjusting versus conventional nCPAP for obstructive sleep apnoea syndrome. *Eur Respir J* 2000;15:990–995
- [48] Meurice JC, Marc I, Series F. Efficacy of auto-CPAP in the treatment of obstructive sleep apnea/hypopnea syndrome. *Am J Respir Crit Care Med* 1996;153:794–8.
- [49] Plywaczewski R, Zgierska A, Bednarek M, Zielinski J. Comparison of automatic (AUTONCPAP) and "manual" NCPAP pressure titration in patients with obstructive sleep apnea. *Pneumonol Alergol Pol.* 2000;68(5-6):232-7.
- [50] Young T, Palta M, Dempsey J, Skatrud J, Weber S, Badr S. The occurrence of sleep-disordered breathing among middle-aged adults. *N Engl J Med.* 1993;328:1230- 5.