

Abstract O12

The Effectiveness of Basic Life Support Training Among Dental Students and Professionals in Indonesia

Ahmad Jamaluddin^{1,2,3}, Sheli Azalea^{1,4,5}, Titania Nur Shelly^{1,6}, Ammar Abdurrahman Hasyim^{1,7}, Ufo Pramigi^{1,8}, Nyityasmono Tri Nugroho^{1,2}, Dian Eka Putra Suwarto⁹

Objectives: This study aimed to evaluate the effectiveness of Basic Life Support (BLS) training for dental students and professional run by IMANICARE organization to the knowledge and willingness to perform basic life support.

Methods: This study aimed to evaluate the effectiveness of BLS training for dental students and professional run by IMANICARE organization to the knowledge and willingness to perform basic life support.

Results: Data was collected from 410 participants which consisted of 58.5% students from the Faculty of Dentistry, 38.9% dentists, 2.4% dental therapists. The mean value of age was 26.9 ± 0.9 SD years. Mean values of pre-test and post-test were 54.7 ± 20.8 SD and 90.1 ± 11.5 SD, respectively. Marginal homogeneity test for pre and post test data brought $p < 0.001$ significance the relationship with training. Before the training, only 276 (67.2%) participants had the willingness to perform cardiopulmonary resuscitation. After the training, 308 (74.9%) participants have the willingness to perform cardiopulmonary resuscitation if they witnessed sudden cardiac arrest among unknown persons ($p < 0.001$).

Conclusion: BLS training has significant effect on knowledge and willingness to perform basic life support among dental students and professionals.

Keywords: Basic Life Support, Dental, Training

1. IMANICare, Jakarta, Indonesia
2. YARSI Hospital, Jakarta Indonesia
3. Cardiovascular Technician Study Program, University of Muhammadiyah Prof Dr. Hamka, Jakarta, Indonesia
4. Cipayung District Public Health System, Jakarta, Indonesia
5. Kesdam, Cijantung Hospital, Jakarta, Indonesia
6. Pratama Hayana Clinic, Jakarta, Indonesia,
7. Laboratory of Vaccinology and Applied Immunology, Kanazawa University, Kanazawa, Japan
8. Faculty of Dentistry Universitas YARSI, Jakarta, Indonesia
9. Division of Vascular Surgery, Department of Surgery, Faculty of Medicine Universitas Indonesia - University of Indonesia General Hospital, Depok, Indonesia.

DOI: <http://dx.doi.org/10.31344/ijhhs.v7i20.685>

Correspondence to:

Sheli Azalea, IMANICare, Jakarta, Indonesia. Email: sheliaazalea@gmail.com
