

ABSTRAK

PENGARUH EDUKASI PENANGANAN LUKA BAKAR TERHADAP KEMAMPUAN PERTOLONGAN PERTAMA PADA SISWA SMKN 1 PUNGGING MOJOKERTO

Oleh: Nesa Eka Afianti

Luka bakar merupakan cedera pada jaringan tubuh akibat paparan panas, listrik, bahan kimia, atau radiasi yang dapat menyebabkan kerusakan kulit hingga jaringan yang lebih dalam. Penanganan pertolongan pertama yang tidak tepat dapat memperparah kondisi luka, meningkatkan risiko infeksi, serta memperlambat proses penyembuhan. Siswa jurusan teknik pengelasan memiliki risiko tinggi mengalami luka bakar saat praktik karena sering terpapar percikan api dan logam panas. Penelitian ini bertujuan untuk mengetahui pengaruh edukasi penanganan luka bakar terhadap kemampuan pertolongan pertama pada siswa SMKN 1 Pungging Mojokerto. Penelitian ini menggunakan desain *pra-eksperimental* dengan pendekatan *One Group Pretest-Posttest Design*. Populasi dan sampel penelitian berjumlah 30 siswa kelas 10 Teknik Pengelasan yang dipilih menggunakan teknik total sampling. Instrumen penelitian menggunakan lembar observasi kemampuan pertolongan pertama luka bakar yang berjumlah 30 item kemudian di uji validitas oleh 2 pakar ada 1 item yang tidak valid sehingga jumlah item menjadi 29 yang valid dan siap diujikan pada responden saat penelitian. Analisis data dilakukan menggunakan *uji Wilcoxon Signed Rank Test* dengan tingkat signifikansi $\alpha = 0,05$. Hasil penelitian menunjukkan bahwa sebelum diberikan edukasi seluruh responden (100%) memiliki kemampuan kurang dalam melakukan pertolongan pertama luka bakar. Setelah diberikan edukasi terjadi peningkatan kemampuan, yaitu (93,33%) responden memiliki kemampuan baik dan (6,67%) responden masih memiliki kemampuan kurang. Hasil *uji Wilcoxon* menunjukkan *nilai p = 0,000 (p < 0,05)*. Sehingga terdapat pengaruh edukasi penanganan luka bakar terhadap kemampuan pertolongan pertama pada siswa SMKN 1 Pungging Mojokerto. Peningkatan kemampuan responden setelah memperoleh edukasi pertolongan pertama luka bakar menunjukan bahwa edukasi kesehatan memiliki peran dalam meningkatkan kesiapsiagaan menghadapi kejadian di lingkungan sekolah.

Kata Kunci: Edukas Luka Bakar, Pertolongan Pertama, Kemampuan.

ABSTRACT

THE EFFECT OF BURN CARE EDUCATION ON FIRST AID SKILLS AMONG STUDENTS AT SMKN 1 PUNGGING MOJOKERTO

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Burns are injuries to body tissues caused by exposure to heat, electricity, chemicals, or radiation, which can damage the skin and deeper tissues. Inappropriate first aid management can worsen the wound, increase the risk of infection, and delay the healing process. Welding students are at high risk of experiencing burns during practical activities because they are frequently exposed to sparks and hot metal. This study aimed to determine the effect of burn management education on first aid skills among students at SMKN 1 Pungging Mojokerto. This study used a pre-experimental design with a One-Group Pretest-Posttest Design. The population and sample consisted of 30 tenth-grade Welding Engineering students selected using total sampling. The research instrument was an observation checklist for first aid skills in burn management consisting of 30 items. The instrument was validated by two experts, and one item was found to be invalid, resulting in 29 valid items that were used for data collection. Data were analyzed using the Wilcoxon Signed Rank Test with a significance level of $\alpha = 0.05$. The results showed that before the education was provided, all respondents (100%) had inadequate skills in performing first aid for burns. After the education was provided, there was an improvement in skills, with 93.33% of respondents demonstrating good skills and 6.67% still demonstrating inadequate skills. The Wilcoxon test showed a p-value of 0.000 ($p < 0.05$). Therefore, there was a significant effect of burn management education on first aid skills among students at SMKN 1 Pungging Mojokerto. The improvement in respondents' first aid skills after receiving burn first aid education indicates that health education plays an important role in increasing preparedness for emergencies in the school environment.

Keywords: Education Burns, First Aid, Skills.