

TITLE: USE OF LAB COAT IN LABORATORIES OF PRACTICAL CLASSES THROUGH A COMIC BOOKS HISTORY

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ABSTRACT:

The application of Good Laboratory Practices (GLP) is indispensable to guarantee the individual and collective safety of the users of laboratories. Aiming to sensitize the students of the Biological Sciences course on the biosafety measures in the Microbiology Laboratory of the University of the State of Bahia, Campus X, in Teixeira de Freitas-BA, this work aimed at creating, in a dynamic and participatory way, a series of Comic Books (CB) as a means of education and scientific dissemination on laboratory biosafety. This work aimed to elaborate a CB demonstrating the importance of the correct use of the lab coat as a Personal Protective Equipment (PPE). The hypothesis is that the joint implementation of this initiative and other actions can mobilize and stimulate academics to develop a laboratory safety culture. Periodic meetings were held for discussions about the theme from bibliographical research. After the choice of the characters, it was assembled their individual characteristics and the elaboration of the history script. Afterwards, the scenes were assembled and separated, as well as the sketch partition of the CB. A questionnaire was prepared and applied for the students to answer on the topic Biosafety and CB. The following questions were asked: What is Biosafety? What is PPE? Have you had access to educational material on Biosafety? Do you find interesting educational material on Biosafety? Of the 56 (100%) students who answered the questionnaire, 31 (55.36%) knew what was Biosafety, but when asked about PPE, only 18 (32.14%) agreed; 34 (60.71%) have already access to some kind of educational materials on biosafety and 53 (94.64%) found interesting educational material on Biosafety in CB format. It was presented the first CB of the series, titled *Jalecando*, which addressed the theme about the use of lab coat adequately in the appropriate environments. The CB is presented in black and white, in an A6 (10.5x14.8 cm) format with 12 pages. In addition to the story, two games that address topics related to laboratory biosafety were added. The elaboration of materials that address the theme in a contextualized and creative way justifies studies such as this, which in addition to encouraging the discussion for its correct use, problematizes the inadequate practices of the use of PPE in laboratory environments.

Keywords: Science Teaching; Fanzine; Biosafety; Lab Coat.