

## عنوان مقاله:

Environmental awareness and plastic use behavior during the Covid-۱۹ pandemic

## محل انتشار:

فصلنامه جهانی علوم و مدیریت محیط زیست, دوره 10, شماره 2 (سال: 1403)

تعداد صفحات اصل مقاله: 16

## نویسندگان:

H. Herdiansyah - *School of Environmental Science, Universitas Indonesia, Central Jakarta, DKI Jakarta, Indonesia of Environmental Science, Universitas Indonesia*

Nuraeni - *Research Cluster of Interaction, Community Engagement and Social Environment, School of Environmental Science, Universitas Indonesia, Central Jakarta, DKI Jakarta ۱۰۴۳۰, Indonesia*

## خلاصه مقاله:

**BACKGROUND AND OBJECTIVES:** Plastic waste in Indonesia increased significantly during the Covid-۱۹ pandemic. With this surge in plastic consumption and waste, awareness of environmental sanitation becomes essential, especially regarding the use of plastic. Society must consider the impact of single-use plastics and implement good plastic waste management. This study aimed to determine the environmental awareness of a community and what factors contributed to its plastic waste utilization activities during the Covid-۱۹ pandemic. **METHODS:** The data collection in this study was conducted using a questionnaire with a cross-sectional analytical approach. The study was conducted in Makassar City, South Sulawesi, the largest city in Eastern Indonesia, and purposive sampling was used to determine selected respondents. Data analysis was carried out using chi-square to identify partial relationships and logistic regression to distinguish relationships simultaneously. **FINDINGS:** This study found that ۵۳.۲ percent of respondents frequently used plastic during the Covid-۱۹ pandemic. Partial relationship analysis showed that general knowledge about waste and its impact was not significantly related to plastic use activities during the pandemic. Meanwhile, knowledge about plastic use during the pandemic, knowledge of protecting the environment, attitudes toward plastic use, attitudes toward waste management, behavior toward plastic use, and behavior regarding processing plastic waste were significantly related to plastic use activities during the Covid-۱۹ pandemic, with respective test values of ۰.۰۰۰ each. Willingness to pay was also significantly related to plastic use activities during the pandemic, with a test value of ۰.۰۰۷. Simultaneous analysis showed that knowledge about plastic use during the pandemic was related to plastic use activities during the same time frame, with an odds ratio value of ۰.۳۹۸ and a negative relationship direction. Plastic waste-processing behavior was the most dominant factor influencing plastic use activities during the Covid-۱۹ pandemic, with a test value of ۰.۰۰۰ and a positive relationship direction. Respondents who did not have good waste management behavior were ۳.۹۶۳ times more likely to use plastic frequently in their daily activities during the pandemic. **CONCLUSION:** The study results show the importance of increasing knowledge regarding plastic use and waste management. Good knowledge will intervene in attitudes that encourage good ... behavior. This study focuses on the relationship between plastic processing behavior and the intensity

## کلمات کلیدی:

Community behavior, Covid-۱۹ Pandemic, Protecting the environment, Use of plastic, Waste management

## لینک ثابت مقاله در پایگاه سیویلیکا:

