

ABSTRACT

Nuclear medicine is a field of medicine that specializes in using radioactive substances to diagnose or treat diseases. Radioactive substances used will produce radiation waste such as liquid, solid, and linen waste used by patients. Radiation waste has a negative impact on the surrounding environment so that it requires disposal and further action or countermeasures until it is safe to dispose of. The waste count rate value is calculated using a surveymeter tool and the data is processed using Microsoft excell software. The final value obtained for released nuclear wastes are below 1Bq/ cm² which is below clearance rate limit in accordance with the regulations made by the authorized agency (Nuclear Energy Regulatory Agency / BAPETEN). The results obtained are that based on the results of the secondary data analyzed, solid, liquid and linen waste have been disposed of in accordance with applicable regulations.

Keywords: Nuclear medicine, Radiation, Radioactivity, Radiation waste.