LEVEL OF HEAVY METALS IN BOREHOLE WATER OF RIBADU AND SULEIMAN HALLS OF RESIDENCE, AHMADU BELLO UNIVERSITY, ZARIA, NIGERIA

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ABSTRACT
Drinking water contaminated with heavy metals may pose serious risk to human health. Borehole water samples were collected from Ribadu and Suleiman hostels, Ahamdu Bello University, Zaria to evaluate their quality for household and human drinking purposes. Temperature, pH and some heavy metals were determined using standard analytical procedure. The results showed that temperature and pH values of the water samples from both Ribadu and Suleiman halls of residence were within the acceptable range for potable drinking water set by NIS and WHO. However, concentrations of heavy metals assessed were above the acceptable limits for drinking water quality set by NIS and WHO. Thus, this is an indication of a possible water contamination or pollution in the two boreholes, which in turn have negative impact on human health.

Keywords: Heavy metals, borehole water, halls, pollution.
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