

Tipe Koleksi: Indeks Artikel Jurnal

Konsentrasi dan distribusi radionuklida alam pada tanah di daerah taman nasional gunung leuser

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Deskripsi Lengkap: <http://lib.uhamka.ac.id/detail.jsp?id=47605&lokasi=lokal>

Abstrak

Concentration and distribution of natural radionuclides (^{238}U , ^{232}Th , ^{226}Ra dan ^{40}K) and anthropogenic ^{137}Cs have been analyzed in soil samples from Taman Nasional Gunung Leuser (TNGL) using gamma spectrometry. Soil sample were collected from 25 locations and the depth of 20 cm using core sampler of 7.8 cm diameter. The mean activities of ^{238}U , ^{232}Th , ^{226}Ra , ^{40}K and ^{137}Cs are (57,99 $\pm$ 6,31), (55,08 $\pm$ 4,16), (34,59 $\pm$ 3,18), (260,79 $\pm$ 46,45) and (2,23 $\pm$ 0,31) Bq/kg, respectively, and the dose rate is 72,49 nGrey/hour.