## To develop an efficient geological survey method and its effectiveness by using natural radiation

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Natural radiation which exists naturally around us is emitted from rocks and varies with the type of rocks. We assumed that we could use its property for geological surveys and geological mapping. With support from the Kyoto Municipal Science Center For Youth, we measured the radiation dose of rocks sampled around the west of Reinan area in Fukui prefecture. As a result, the indicated amount of radiation varied even the same type of rocks, so that radiation dose was probably affected by the size of rocks and the distance from other samples. In this experiment, we measured each sample without considering external factors caused by other samples. We need to eliminate the external factors to improve our methods, so that we will surround the measuring device for radiation with a lead pipe. We also consider other factors (size, surface area, density, etc.) might cause different outcomes in radiation emission in spite of the same type of rock. However, the viewpoint may or may not be accurate because it is under survey.

Keywords: radiation, rocks, geology,, mineral, geological survey

