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**EFFECTS OF DISPOSED USED ENGINE OIL ON SOIL IN
JUA-KALI GARAGE AREAS**

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ABSTRACT

Many cases of heavy metal poisoning has been reported and there is need to identify potential sources of heavy metals. For the current work, used engine oil is the main focus

Atomic absorption spectrophotometry was used for elemental analysis. It was found that disposable used engine oil contains high concentration of heavy metals due to engine wear and others are additives such as lead which is added as antiknock

Toxic metals were at high concentration. This gives an insight on how potential health hazard that used engine oil can be to human life and plants.

Due to hazardous effects of used engine oil on the environment it is my view that people usually those in JUA KALI garage areas should device other safer methods for disposing used engine oil other than just disposing anywhere in the Jua Kali garage area.

Besides that it is important to develop environmental friendly engine oils or alternative ways other than engine oils which do not produce hazardous waste products.