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Assessment the quality of water wells in the artesian of Laylan

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Abstract:The study was conducted to evaluate the quality of 6 wells in Laylan area and its related areas. The temperature of water, air, electrical conductivity, total number of bacteria, coli forms and fecal coli forms were evaluated in Laylan, Yihyawa, Haji Metab, Tuba Lu and the village of Badawa, The samples were collected from November 2016 until June 2017 by one sample per month for each site. The result of the study were for most factors within the permissible limit for drinking water and ranged from 0.00 to 0.99 naphthalene. The temperature of the air values ranged from 9 to 41 m and water temperature ranged from 21 to 24 m, and the values of electrical conductivity ranged between (444-1630) microsments /cm. The total number of air bacteria ranged from (60-230) cells /ml, and the values of total colon and coli form values were lower cell/100ml.

Key words:Assessment, Well water in the artesian, quality, water, Laylan area.

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