

Kingdom of Saudi Arabia

Ministry of education

Department of Education in the region of Qassim

The 28th Secondary Girls at Buraydah



وزارة التعليم
Ministry of Education



The extent of the impact of groundwater use on human health in the city of Buraidah

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research introduction :

(Do you not see that God is sending water from the sky and making it flow in the form of springs [and rivers] on Earth)

Water is the origin of life and the substance of all creation, and it is the first of creatures, according to the evidence of God Almighty (He who created the heavens and the earth in six days

And while I said that you are emissaries after death, to tell those who disbelieve that this is only a magic shown.

**And water is the basis of life and without it there is no life and almost water enters in all areas of life and it is important for the human being, food, medicine and important for its cultivation and all aspects of life and this depends on the subterranean region and Imam Al-Qurtubi said in his interpretation (his throne was on the sky between creating the throne and water before creating the earth and the sky)
[Abdul Rahman Al-Sharif, 2009]**

Research problem :

The problem: From the foregoing it is clear that a difference of views in the groundwater due to the different taste, color, smell, and

Research questions:

Hence the research problem crystallized during the main question: What is the effect of using groundwater on human health? This question requires answering the sub-question: - What is the effect of the use of groundwater

on human health from the point of view of farmers in Buraidah, according to the two variables years of experience, age?

Research hypotheses :

Hypothesis: After reviewing the literature and previous studies, the following hypothesis has been formulated, there is a difference of views regarding the extent of the impact of groundwater use on human health.

Research Objectives:

To identify the different views of the impact of groundwater . Human health in the city of Buraydah Discover the difference in terms of variables Years of experience, region

Importance of the research:

Ministry of Environment Water & Agriculture,
with agricultural specialists interested in agriculture,
Students of the College of Agricultural and food Sciences

Research limits:

The extent of the impact of groundwater use on human health

Spatial boundaries: Buraidah

Temporal boundaries: This research was applied in the second semester of the year 1440 AH / 2019 AD

Human boundaries: The boundaries of this research were represented by farmers in Buraidah

Research method:

To answer the problem of the topic, we will use the (experimental approach) from which specialists and those interested in the groundwater field are interviewed.

Community Research:

The research complex consists of farmers in his city of 1000 - 1400 between specialists and interested, according to what the specialists indicated in this field

research sample:

The research sample was chosen in a simple random way, and the percentage of respondents reached 10, and we aspired to be higher than that, but the difficulty in reaching it stood up to that.

Search tools

A questionnaire was constructed aimed at the role of groundwater on human health. Refer to see the relevant literature

And Search Tool:

formed resolution of the two variables: the region and years of experience

Search terms:

Groundwater: It is the water that is found inside the cracks and pores of rocks that make up the rock cover below the land surface level. It is called (ground water or esoteric water) and is dominated by the name of groundwater, the most important water source in the study area, because it is located within the dry areas

Human health:

a state of relative balance for the various functions of the body, which results from the adaptation of the human body to the harmful factors that it is exposed to.

The researchers define procedural groundwater as:

access to research literature and previous studies related to the current field of research 2 - a questionnaire has been built by identifying the main axes and formulating paragraphs on the research approach by referring to the literature related to the current topic. Research community and sample were chosen. The research tools were distributed questionnaires to the sample members. Data were collected and branched. The results were extracted, analyzed and discussed. Recommendations are made and proposals submitted.

Theoretical aspect:

that water is the basis of life on the planet Earth and it covers 71. From its surface, the sea and ocean waters represent the largest percentage of water on Earth, 96. 5. The rest is distributed between groundwater and between the polar ice (1 and 7 for both), with a small percentage in the form of water vapor suspended in the air in the form of clouds (clouds), and sometimes in the form of fog Or dewy, in addition to rain or snow showers, the percentage of fresh water is about 2. 5. Only of the water on Earth and most of this amount (about 99. / ') Is present in the ice blocks in the polar regions, while 0 is present. 3. | "From fresh water in rivers, lakes, and in the atmosphere, either in nature, the state of water changes between the three

states of matter on the surface of the earth continuously through what is known as the water cycle or (water cycle), which includes the occurrence of evaporation and transpiration, evapotranspiration, then condensation, then lengthens and flows to reach Downstream to the water bodies

Research Applied :

Measurements Ph		
1a	7.8	7.8
1b	7.7	
1c	7.8	
2a	8	8
2b	8.1	
2c	8.1	
3a	8.1	8.2
3b	8.2	
3c	8.2	
Temperature	23	

Conclusion:

We concluded the samples according to the degree of ph in the first sample in the east. The second sample is in the northwest and the third sample in the west. The degree of ph differs from all samples because of its geographical location.

Recommendations:

- 1 - Take care to turn off the water faucet when there is no need for it
- 2 - Follow proper methods in agriculture, to drain harmful water
- 3 - Do not throw waste into rivers and lakes

References:

- 1- <https://sotor.com/%D9%83%D9%8A%D9%81%D9%8A%D8%A9-%D8%A7%D9%84%D9%85%D8%AD%D8%A7%D9%81%D8%B8%D8%A9-%D8%B9%D9%84%D9%89-%D8%A7%D9%84%D9%85%D8%A7%D8%A1/>
- 2- <https://mawdoo3.com/%D9%83%D9%8A%D9%81%D9%8A%D8%A9%D8%AD%D9%85%D8%A7%D9%8A%D8%A9%D8%A7%D9%84%D9%85%D9%8A%D8%A7%D9%87%D9%85%D9%86%D8%A7%D9%84%D8%AA%D9%84%D9%88%D8%AB>
- 3- <https://ar.m.wikipedia.org/wiki/%D8%A8%D9%88%D8%A7%D8%A8%D8%A9:%D8%AC%D8%BA%D8%B1%D8%A7%D9%81%D9%8A%D8%A7>