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THE IMPORTANCE OF CONTROLLING INSTALLATION PROBLEMS AND WATER CONSUMPTION IN DWELLINGS IN THE PROCESS OF GLOBAL WARMING

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The basis of this study is our concern for the upcoming shortage of pure water sources, as a result of global warming that threatens our world. An analysis of what can be done about water consumption control and environmental preservation, reveals that there are some basic precautions that can be taken in dwellings, where water consumption level is one of the highest. The disfunctioning and leakage in the water plumbing system installed in kitchens, bathrooms and toilets of dwellings means wasting tons of water each year; thus awareness should certainly be raised among the users of these facilities.

The aim of this study is to define installation problems that appear in dwellings and to analyze the way these problems affect water consumption. Moreover, the extent to which users are conscious about water saving is tried to be determined.

Based on this purpose, part of the residential community in Ataevler, located in Nilufer county, which is one of the new settlement areas in Bursa, the fourth largest city in Turkey, has been chosen as a pilot area. In the pilot area consisting of 3 housing estates, 43 blocks, and 344 flats, the questionnaire participation rate has been determined as 60%, and 206 families have been interviewed in this process. The answers in these questionnaires have been evaluated by means of percentages and graphics.

In the outcome of the study, it is explained that unnecessary water consumption can be avoided based on basic precautions in dwellings and immediate interventions to installation problems, and that water can be saved as a result of these measures.

Our paper can be presented in the "Innovative Solutions for the Water Problems in the Mediterranean Basin" session, under the subtitle "The Importance of Water Resources Education for the Public" or "Raising Water and Environmental Awareness".

Keywords: Water consumption, global warming, installation problems, water saving, wasting water