

SUPPORT DEVICE, SUPPORT METHOD, AND SUPPORT PROGRAM

[ABSTRACT]

A support device includes an acquirer configured to acquire data indicating water quality information of water to be treated, a pressure to supply the water to be treated to a membrane filtration device, a transmembrane pressure at a filtration membrane, a permeation flux at the filtration membrane, a frequency and cleaning conditions for cleaning the filtration membrane with cleaning water, and an outputter configured to output an optimum value of a current permeation flux, and a frequency and cleaning conditions for cleaning the membrane filtration device with the cleaning water in the future based on the data indicating the water quality information of the water to be treated, the pressure to supply the water to be treated to the membrane filtration device, and the transmembrane pressure at the filtration membrane, that have been acquired by the acquirer, by using a learned determination model acquired by performing learning processing using the data acquired by the acquirer.

Fig. 1