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Sub.Lut.NAWARAT PETDUMRONGGON : THE STUDY ON A POTENTIAL OF APPROPRIATE GEOTHERMAL SPRINGS FOR HEALTH PROMOTION (A CASE STUDY IN UPPER-AREA OF NORTHERN THAILAND). THESIS ADVISOR : SOMPONG THONGCHAI, M.Sc. MONTHREE CHULASAMAYA, M.D. PONLAYUTH SOOKSAMITI, PhD. KASEM KULAPRADIT, M.Sc. 212 p. ISBN 974 -- 661 -- 040 -- 1

The objective of this study is to examine the potential of geothermal springs in the upper-area of Northern Thailand for health promotion. Four factors, level of dissolved minerals, temperature, appropriate facilities at hot spring and external environment of each hot spring were investigated and analyzed. The results were subsequently employed for ranking these hot springs in terms of their potential for health promotion in the upper-area of Northern Thailand.

With respect to their potential by province, the most appropriate hot spring in Chiang Rai was Phong Nam Ron hot spring at Amphoe Mae Chan, in Chiang Mai was Pong Hom hot spring at Amphoe San Kamphaeng, in Mae Hong Sorn was Nong Haeng hot spring at Amphoe Khun Yuam, in Lamphun was Nong Lom hot spring at Amphoe Muang, in Lampang was Chae Son hot spring at Amphoe Muang Pan, in Phrae was Pan Jan hot spring at Amphoe Wang Chin. However, there were no appropriate hot springs in Nan and Payao. And the most appropriate hot spring in upper-area of Northern Thailand was Pong Hom hot spring at Amphoe San Kamphaeng in Chiang Mai.