

The surveys on pharmaceutical preparations produced in government hospitals, obstacles in manufacturing process and supports from educational institutes were conducted by sending the questionnaires to the hospitals which provided 60 patient-beds and more. There were 102 questionnaires received from the hospital pharmacists between March to May 1991.

The hospital surveyed were classified as follows : 37 community hospitals (36.3 %), 51 general hospitals (50.0 %), 12 central hospitals (12.7 %) and 1 Maharaj hospital. 88 hospitals out of 102 (86.3 %) have established the production facilities. There were 77 hospitals (75.5 %) that wanted to expand the facilities. It indicates that pharmaceutical production in hospitals is one of the important jobs that should be promoted and supported.

However, several hospitals faced with the problems concerning manufacturing processes. The main problem was the production areas did not meet the GMP (Good Manufacturing Practice) standard, the percentage was calculated to be 68.6. Two other problems were lack of equipment and lack of personnel where the percentages were 59.8 and

57-8 respectively. Most of the community hospitals were short of staff and would like to have pharmaceutical master formulas provided, where as general hospitals and central hospitals needed advice if any problems occur in the process.

Problem solving for the pharmaceutical production in the hospitals should be facilitated by educational institutes co-operating in this matter with the hospitals. One method should be for hospitals experiencing processing problems to refer them to educational institutes. Consequently, those product formulations will be improved and/on developed as necessary in order to get the appropriate fomulas. Information on the product development will then be distributed to the government hospitals all over the country.