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KETERJANGKAUAN DAN KELANGSUNGAN PENGELOLAAN LAYANAN AIR BERSIH DI PERUMAHAN BERINGIN ASRI SEMARANG DARI PENGEMBANG KE PARTISIPASI MASYARAKAT

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Abstract : *The backbone of urban water supply systems in Semarang city's public water system company called PDAM. Despite various efforts to improve its performance PDAM's service coverage and service capacity is still very limited. This inadequacy of supply forces real estate developers to rely on their own initiatives by building small scale water systems to cater for the need of water in their states. However small, these water systems are infrastructure networks consuming huge initial capital costs. This justifies the need to study small scale water systems. The objective of this research is to study the affordability and continuity of Beringin Asri's water supply system. The form of research chosen is survey research, to give quantitative description of service characteristic, management characteristic and respondents perception and preferences toward the water supply system operating in Perumahan Beringin Asri, Ngaliyan District, Semarang City. The sample size consist of 67 respondents, randomly selected from the total of 830 household in the study area, which is assumed to be homogenous group. This research uses qualitative and quantitative descriptive techniques to identify the characteristic of water supply service and community participation in the management of water supply system. Affordability analysis is conducted using quantitative descriptive techniques, while continuity of supply is assessed with asset management approach. The results of study reveals that there are three water supply systems in Perumahan Beringin Asri, two operating under the same management in Rukun Warga (RW) XI, while another system operates in Rukun Warga XII. The two water managements in RW XI and RW XII operate independently, and are based entirely on community participation receiving no external assistance at all. The role of community participation observed in the study area conforms to Schubeler's definition of community participation in infrastructure service management functions (1996:36). As producers the community, in this case members of local water boards and water operators, participates in monitoring and evaluating system performance, in operation and maintenance, in implementation of system construction and extention, in medium term investment programming, in long term planning and participates in formulation of goals and policies. As consumers, the residents of Beringin Asri are involved in monitoring and evaluating system performance, in operation and maintenance, and in implementation of system construction and extension.*

Key Word : *water supply system, community participation, affordability, asset management.*