

Introduction

In Indonesia infrastructure of water supply provision is an obligation of local government. For region which does not have public water supply company, local government is responsible for providing the water supply provision. On the other hand, the ability of public water supply provision to meet the demand is limited, so that Community Based Water Supply Management flourishes, especially in metropolitan region.

CBNRM (COMMUNITY-BASED NATURAL RESOURCES MANAGEMENT) CONCEPT

“CBNRM is an emerging international model for natural resource management which can address both social justice and environmental protection [Adams, E.A., & Zulu, L.C., 2015]. In the case of water CBNRM approaches have more traditionally been used in rural areas where they fill a void because private and public water provisions seem financially unviable [Kyessi, A.G., 2005].”



Conclusion

- ❖ CBNRM in the context of water supply has given positive benefits either to community or environment (community empowerment, rehabilitation of environment, and other social supports).
- ❖ CBNRM initiated by community gives more benefits to community compared to that initiated by another party. It has high level of participation therefore community empowerment can be achieved.



Objective, Material and Methods

Objective

To explore the co-benefits of CBNRM and to compare the existence of benefits based on initiator of development.

Material and Methods

- ❖ Case study approach
- ❖ Location: Griya Bukit Mas Residential, Cimenyan District, Bandung Regency (Case 1) and Ciburial Village, Cimenyan District, Bandung Regency (Case 2). The first case is representative of CBNRM initiated by non-community (developer) that took place in Griya Bukit Mas Residential and the second one is representative of CBNRM initiated by community (Ciburial Village).
- ❖ Data used consist: primary (interview with community based organization) and secondary data (previous studies and other statistic documents).
- ❖ Method of analysis used: descriptive comparative, co-benefits of CBNRM of the two cases are compared. Co-benefits in this research are defined as participation, community empowerment, and the impact to other social and environmental benefit.

Results and Discussions

Co-Benefits of Community Based Water Supply Management

Co-Benefits	Best Practises	
	Griya Bukit Mas Residential	Ciburial Village
Community Participation	Cost sharing	<ul style="list-style-type: none"> • Some people are included to be the committee of management • Community forum (funding, water pricing, increase of water tariff, installation damage, operational, maintenance, etc.)
Leadership Characteristic	<ul style="list-style-type: none"> • There is no head of water division • The committee changes all the time with lack of knowledge transfer 	<ul style="list-style-type: none"> • Professional committee • Adequate human resources • Some residents are highly educated people (professor and doctoral degree) who give a lot of contribution to the development of water supply provision system
Sense of Belonging	Good relationship among committee members	Good relationship either among committee members or between committee member and other residents
Trust and Communication	Good communication among committee members but lack of them between residents and committee member	Good communication either among committee members or between residents and committee member
Knowledge Transfer	No	Community gains some knowledge and skills (e.g. management, financial, and technical skill) indirectly during the development of water supply management system

Publication

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