Megacity Skeleton’ is a housing prototype project aiming to improve the urban living environment. The site is kampung Cikini, which is a high density residential area located in the center of Jakarta Megacity. This kind of area is always facing to many problems such as hygienic environment of living space or risk of flood, but at the same time, you will notice the smiling faces everywhere in the good atmosphere of close community which has been fostered in long time. Our challenge is to propose a new approach for sustainable urban regeneration by a series of micro intervention for environmental improvement respecting existing urban structure and community, which could be a strong alternative of modern method. We strongly believe that simple but strong idea which could easily shared by the community will spread gradually to realize the sustainable urban regeneration.