Padi Pomahan Dam (3.987ha) was built to solve the problem of deficit water in dry season. This dam was purposely built and hopefully can increase the plants intensity around that area, which have great potential in the dry season. Plant pattern in this area include padi and polowija. With this existing debit condition intensities plant per season divide to 3 sections taken from climatologist data:

1. Plant intensities in wet season.
2. Plant intensities in dry season I
3. Plant intensities in dry season II

To improve agricultural production according available debit data, need change plant pattern with FPR calculating and specification of irrigation area, divided into 3 section. This dam needs daily maintenance and developing.

In execution Operation and Maintenance in this irrigation area (Padi Pomahan Dam)
Producing BCR Plan Smaller than BCR Existing.
By executing Operating and Maintenance well expected can improve the agricultural production, this improvisation expected can increase the life and food quality in east java, specially Mojokerto.