



**INDONESIA
DEVELOPMENT
FORUM 2018**
INSPIRE · IMAGINE · INNOVATE · INITIATE



**KNOWLEDGE
SECTOR INITIATIVE**



Dynamic Programming Approach for Optimizing the Effectiveness of Fund Expenditure with the Advantage of Open Government Partnership

**TRANSPARANSI, AKUNTABILITAS,
PARTISIPASI, INOVASI & IT**



Open
Government
Partnership

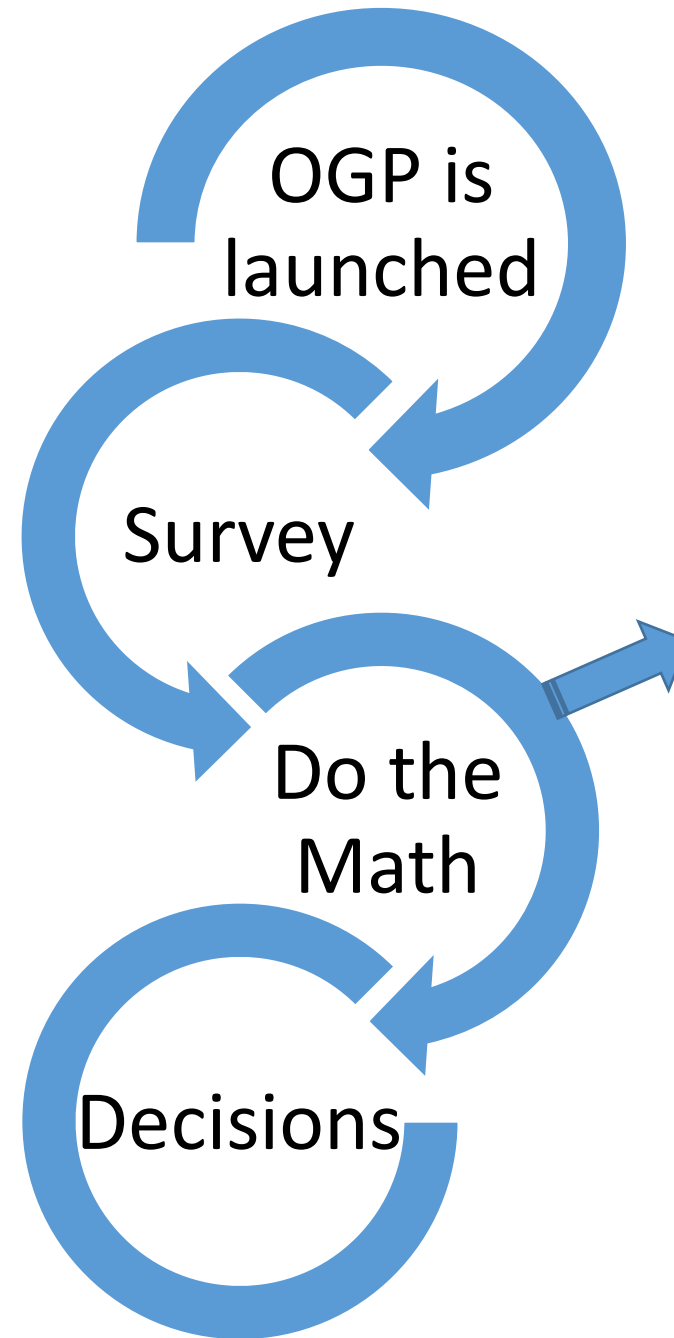
**BOJONEGORO
PEMERINTAHAN TERBUKA**

OPEN GOVERNMENT PARTNERSHIP



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How the Idea Works!



It is only in a unit of fund spending. e.g. build a traditional market, fix the road, etc.





Is it for past or future ?

Truly for Future

By consuming

Historical data
from OGP

Predicable data
from APBD

Creating a diagram of

Decisions of Fund Spending with respect to Period (year)



How does it relate to OGP ?

$V(i)$

**ESTIMASI
TOTAL PENDAPATAN**

Rp. 1.307.151.600

$t(i)$

PAD	: Rp. 138.500.000.-
DD	: Rp. 758.071.200.-
ADD	: Rp. 363.630.000.-
BHRD	: Rp. 20.346.300.-
BHPD	: Rp. 26.604.100.-



$C(i)$

**PENYELENGGARAAN
PEMERINTAH DESA**
Rp. 392.045.920.- (29,7%)

PEMBANGUNAN
Rp. 363.550.000.- (27,5%)

P

INFOGRAFIK
APBDesa
KAUMAN
Kec. Bojonegoro
Kab. Bojonegoro
2017

PEMERINTAH KABUPATEN BOJONEGORO
KECAMATAN BOJONEGORO
DESA KAUMAN
JL. MH. THAMRIN NO. 82A TELP. 884384 BOJONEGORO

Dengan Persetujuan Badan Permasyarakatan Desa

ESTIMASI TOTAL PENDAPATAN
Rp. 1.307.151.600

PAD	: Rp. 138.500.000.-
DD	: Rp. 758.071.200.-
ADD	: Rp. 363.630.000.-
BHRD	: Rp. 20.346.300.-
BHPD	: Rp. 26.604.100.-

PEMBANGUNAN & PEMBERDAYAAN MASYARAKAT
70,3 %

PENYELENGGARAAN PEMERINTAH DESA
29,7 %

PEMBERDAYAAN MASYARAKAT
Rp. 425.500.000.- (33,1%)

DANA TAK TERDUGA
Rp. 3.536.920.- (0,3%)

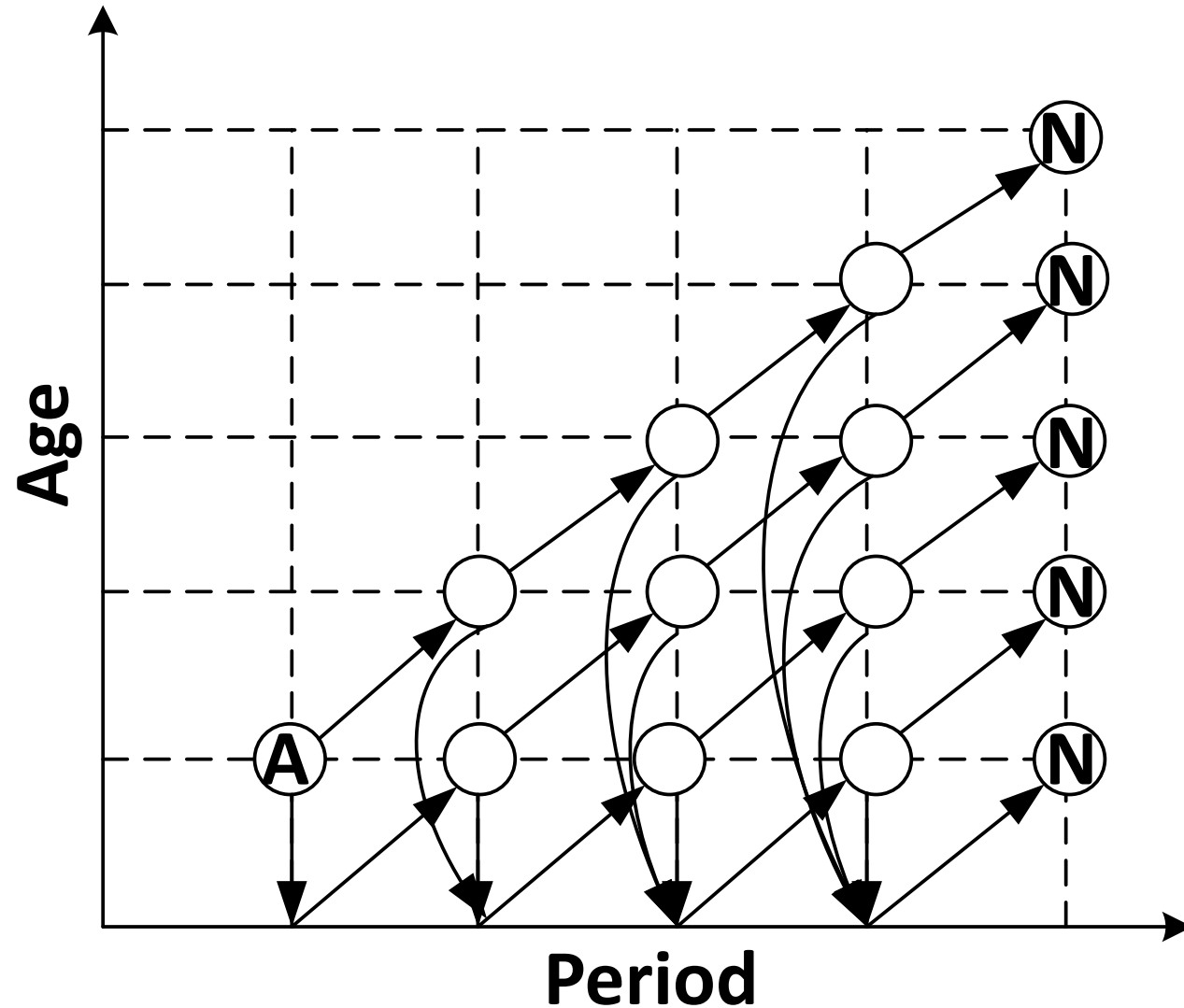
PEMBINAAN MASYARAKAT
Rp. 124.725.000.- (9,4%)

KAUMAN VILLAGE Jl. MH. Thamrin No. 82A Telp. (0353) 884384 Bojonegoro
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In i period of year



How is the diagram looks like ?



The goal is to find minimum cost to go from A to N.

