DIREKTORAT JENDERAL
KEKAYAAN INTELEKTUAL
KEMENTERIAN HUKUM & HAM R.I.

DJKI WORK
FROM ANYWHERE
AND ANYTIME

DGIP Artificial Intellegence Implementation

Lombok, 6 Nov 2023

IT Directorate DGIP

ARTIFICIAL INTELLEGENCE DEVELOPMENT

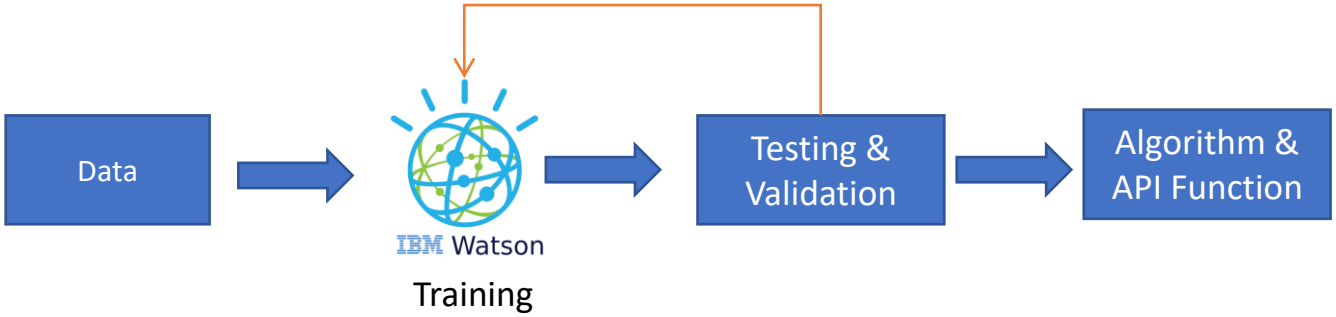
DIREKTORAT JENDERAL KEKAYAAN INTELEKTUAL
KEMENTERIAN HUKUM & HAM R.I.

DGIP Using IBM Watson as an artificial intelligence engine

IBM Watson

IBM Watson - Watson was a computer based on GPU designed and developed by IBM. This advanced computer combined artificial intelligence (AI), automation and sophisticated analytics capabilities to deliver optimal performance as a "question answering" machine.

Step
1. Training
2. Validation
3. Using Model

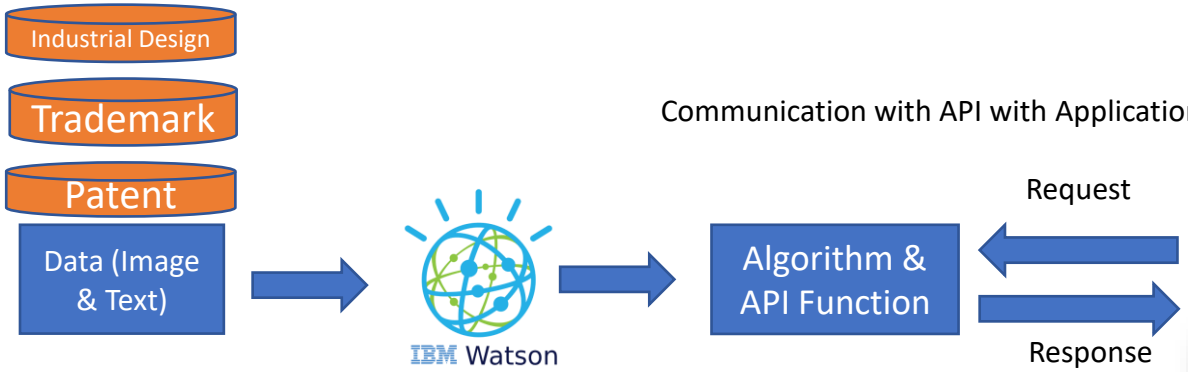


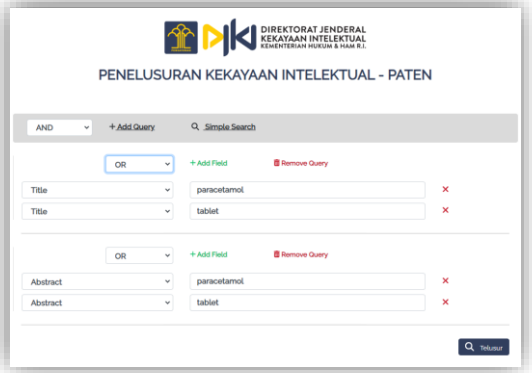
Algorithm will generate by IBM Watson, IBM Watson will give recomedation best Algorithm for using, according to user needs

ARTIFICIAL INTELLEGENCE DEVELOPMENT

DIREKTORAT JENDERAL KEKAYAAN INTELEKTUAL
KEMENTERIAN HUKUM & HAM R.I.

Data Processing and using by Application





Advantage for User

- Search Image Similarity (Shape, Color)
- Advanced Search (Phonetic, Query Filter)
- Fast Loading More Than 2 Million Data

Development Still Running For Trademark (Training 9.000-12.000 data each day from 1.800.000 data)

, Patent & Industrial Design and will use by Examiner

ARTIFICIAL INTELLEGENCE DEVELOPMENT

DIREKTORAT JENDERAL KEKAYAAN INTELEKTUAL
KEMENTERIAN HUKUM & HAM R.I.

Implementation Timeline

2020 - 2021

Hardware & Licensing

2022-2023

Training Data & Develop Applicatio n

Feb 2024

Go Production

Thank You

DIREKTORAT JENDERAL
KEKAYAAN INTELEKTUAL
KEMENTERIAN HUKUM & HAM R.I.

Directorate General Of Intellectual Property
Law And Human Right Ministry
Jl. HR. Rasuna Said Kav. 8-9,
Jakarta Selatan, Jakarta, Indonesia

Call Center 152
Email halodjki@dgip.go.id