

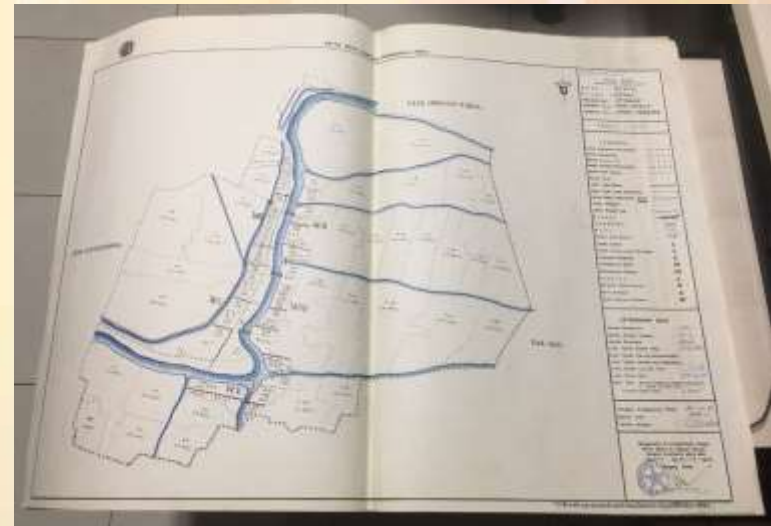
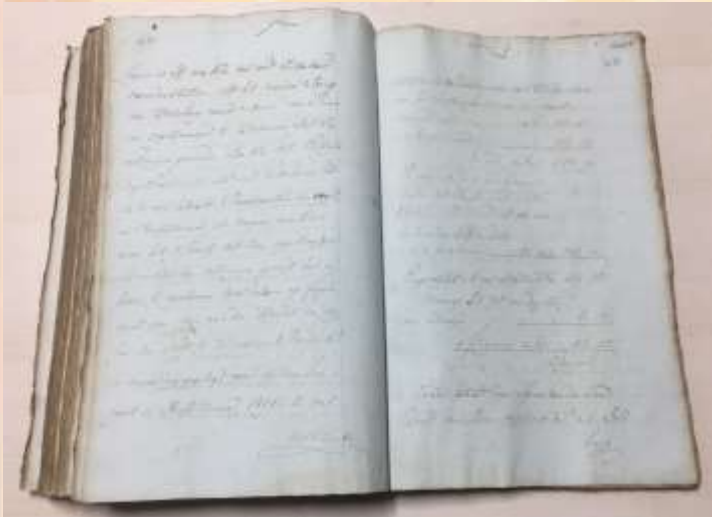
# **JENIS DAN FORMAT DIGITALISASI ARSIP**

# **Jenis Alihmedia**

- Media Konvensional ke Digital
- Media Audio Visual ke Digital

# Media Konvensional

## Arsip Tekstual



# Media Audio Visual

## Arsip Gambar Statik

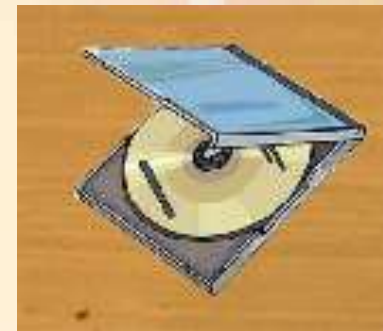


# Media Audio Visual

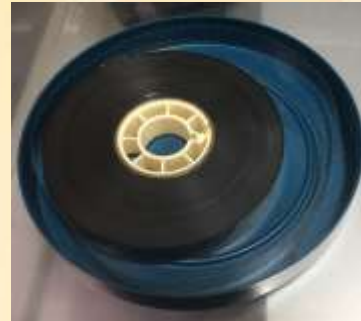
## Arsip Bentuk Mikro



# Media Audio Visual Arsip Rekaman Suara



# Media Audio Visual Arsip Citra Bergerak



# Sarana dan Prasarana

## PERALATAN:

- KOMPUTER
- SCANNER
- ALAT BACA ARSIP/ PLAYER
- STORAGE MEDIA
- SOFTWARE

## INFRASTRUKTUR:

- RUANGAN TRANSIT
- RAK PENYIMPANAN ARSIP SEMENTARA
- JARINGAN
- DLL



# Sarana dan Prasarana

## Scanner



# Sarana dan Prasarana Player/ alat baca



# FORMAT ALIH MEDIA

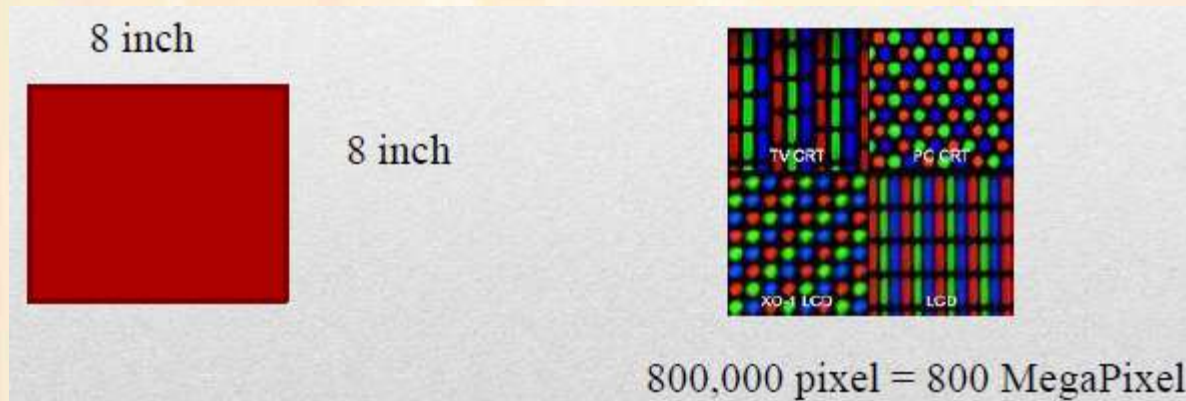
## Perbandingan TIFF-JPEG-PDF

TIFF Uncompressed	JPEG	PDF
Appropriate digital format for digital preservation	Suitable digital format for access	Suitable digital format for access
Huge file size Cth : 40MB	Smaller file size Cth : 8MB	Smaller file size Cth : 9MB
No Compression – No data loss / data equal to 100% of the original material	Lossy Compression – Have loss of data	Lossy Compression – Have loss of data
Best Quality!	Better Quality	Better Quality
Suitable for image / graphic	Suitable for image / scanned document	Suitable for text / image

# RESOLUSI FILE

## dpi/ppi

dot per-inch / pixel per-inch : jumlah titik setiap inchi



Contoh :

Gambar 10''x 8'' di-scan dengan 100dpi

Maka :

$$\begin{aligned}\text{Resolusi} &= (10'' \times 100\text{dpi}) \times (8'' \times 100\text{dpi}) \\ &= 800.000 \text{ pixel} \\ &= 800\text{Mpixel}\end{aligned}$$

# STANDARD DIGITALISASI KEBUTUHAN PRESERVASI

## Acuan Standar Alih Media

- **Internasional Standard for Archival Description (General)/ ISAD (G)**  
International Council for Archives (ICA), 2000.
- **Dublin Core Metadata Element Set**  
Dublin Core Metadata Initiative (DCMI), 1999.
- **The FIAF Cataloguing Rules for Film Archives**  
Fédération Internationale des Archives du Film (FIAF), 1991.
- **The International Association of Sound and Audio Visual Archives Cataloging Rules**  
International Association of Sound and Audio Visual -  
Archives (IASA), 1999.
- **ISO 13028 : Digitization Records**
- **PerANRI No. 2 Tahun 2021**

# METAMORFOZE

- Standard preservasi digitalisasi untuk buku, koran, majalah, manuskrip, peta, gambar teknik, lukisan, dll
- Dikembangkan oleh Koninklijke Bibliotheek (KB) dan National Archive of Netherland (NAN).
- Menjadi referensi bagi produsen peralatan scanner di Eropa

	METAMORFOZE	METAMORFOZE LIGHT	METAMORFOZE EXTRA LIGHT
Color space	eciRGBv2	eciRGBv2/ Adobe RGB (1998)	eciRGBv2/Adobe RGB (1998)/ Gray Gamma 2,2
Bit depth	16/8 bit	8 bit	8 bit

# PerANRI No. 2 Tahun 2021

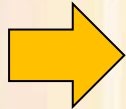
Standar format hasil alih media paling kurang sebagai berikut:

Arsip	Tipe File Hasil Alih Media Sesuai Kebutuhan Preservasi	Tipe File Hasil Alih Media Sesuai Kebutuhan Akses
Kertas atau Tekstual	300dpi, 24 bit color TIFF uncompressed	300dpi, 24 bit color JPG/PDF
Foto	600dpi, 24 bit color TIFF uncompressed	600dpi, 24 bit color JPG/PDF
Kartografi/kearsitekturan	400dpi, 24 bit color TIFF uncompressed	400dpi, 24 bit color JPG/PDF
Rekaman suara	WAV; 192kbps; 44,1Hz	MP3;192kbps; 44,1Hz
Citra Bergerak (Film reel)	AVI / MXF, 25fps 1080 fullHD ,color  [ RAW file - ( File Video terpisah dengan File Audio ) ]	MP4, 25fps, 720 HD [ Video – Audio tersinkronisasi]
Video (Kaset)	AVI; 25fps;	MP4; 25fps;
Lukisan, Pamflet, Poster	600dpi, 24 bit color TIFF uncompressed	600dpi, 24 bit color JPG/PDF

## A.Kertas ke digital

- Quality: 300 dpi
- Format: tiff dan jpeg

## Alihmedia Kertas ke Digital



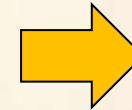
Flatbed



Highspeed



Overhead



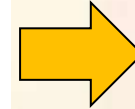
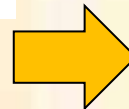
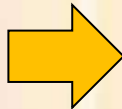
Storage



## B.Foto ke digital

- Quality: 600 dpi
- Format: tiff dan jpeg

### Alihmedia Foto ke Digital



Storage

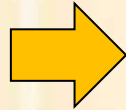
## C. Kartografi dan kearsitekturan ke digital

- Quality: 400 dpi
- Format: tiff dan jpeg

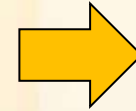
### Alihmedia kartografi dan kearsitekturan ke Digital



Arsip Kartografi dan  
Kearsitekturan



Roller Scanner

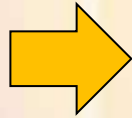


Storage

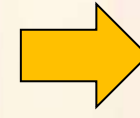
## D. Microfilm ke digital

- Quality: 300 dpi
- Format: tiff dan jpeg

### Alihmedia Mikrofilm ke Digital



Microfilm Scanner



Storage



Arsip  
Microfilm

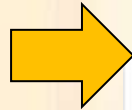
## E. Reel film ke digital

- Quality: 1080p (HD)
- Format: avi dan mp4/DVD

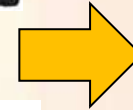
### Alihmedia Film ke Digital



Arsip film



Transfer film media



Storage

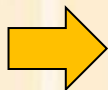
## F. Video kaset ke digital

- Quality: 25 fps
- Format: avi dan mp4/DVD

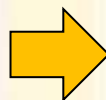
### Alihmedia Video Kaset ke Digital



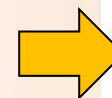
Player Video



Mixer



(DVD Player/  
Recorder)



Storage

# G. Magnetic audio suara ke digital

- Quality: 32 kHz
- Format: wav dan mp3

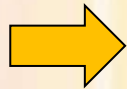
## Alihmedia Magnetic Audio Suara → Digital



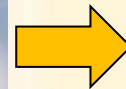
## Alihmedia Kertas ke Mikrofilm



Arsip

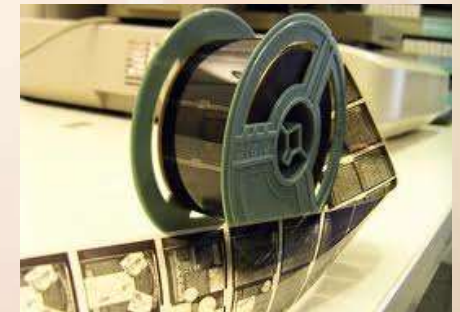
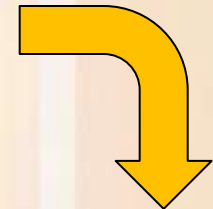


Microfilm Camera



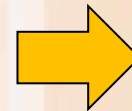
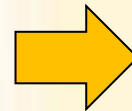
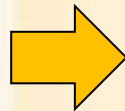
Developer

Fixer



Mikrofilm

## Alihmedia Piringan Hitam ke Kaset





# Alihmedia Open Reel ke Kaset



## Alihmedia Film ke Kaset Video





- Kalibrasi Scanner
- Fokus Camera
- Pencahayaan
- Tipe Arsip: Negatif/ positif
- Capturing Setting:
  - White Balance
  - fps
  - format
  - dpi
  - dimensions
  - dll

**TERIMA KASIH**