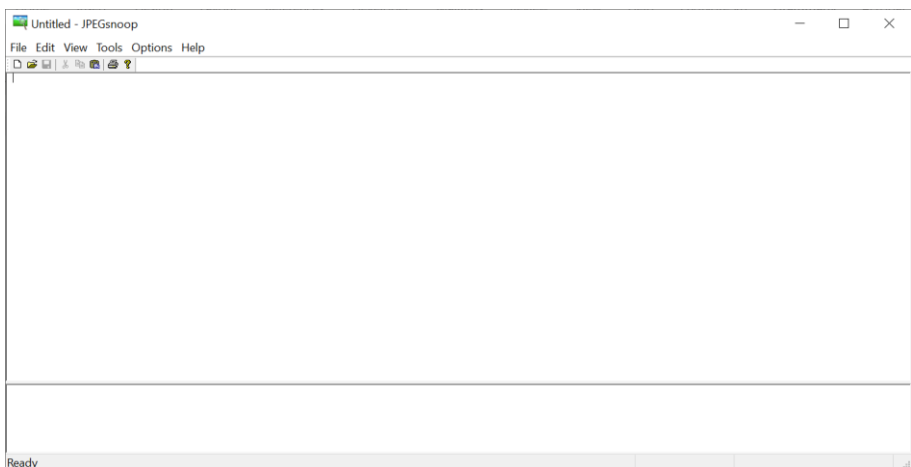
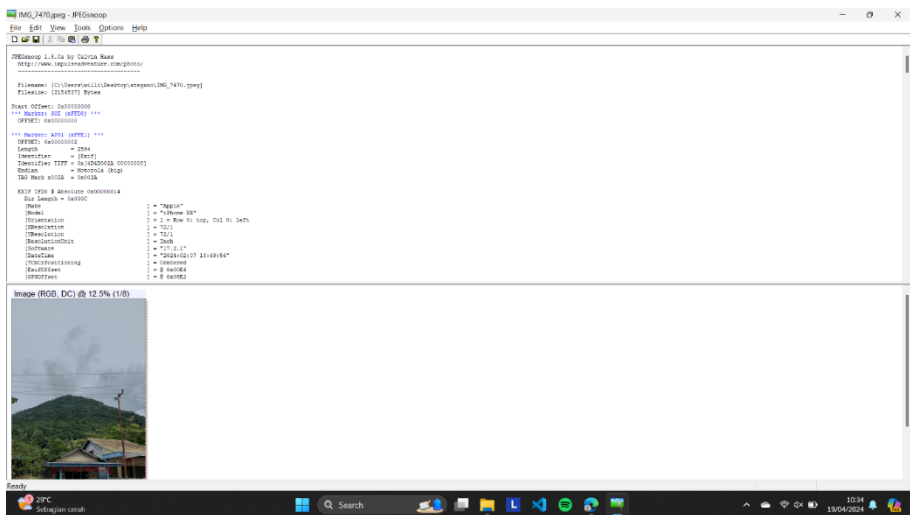


Pada Bagian photo and Video Forensics saya membantu dalam membuat dan menganalisis sebuah gambar. Gambar yang dibuat adalah gambar yang teridentifikasi sebagai file stegano dan analisisnya menggunakan JPEGsnoop dan Ghiro. Berikut beberapa dokumentasinya

JPEGsnoop:



Tampilan awal JPEGsnoop



Tampilan informasi dari gambar

```

EXIF IFD0 @ Absolute 0x00000014
Dir Length = 0x000C
[Make] = "Apple"
[Model] = "iPhone XR"
[Orientation] = 1 = Row 0: top, Col 0: left
[XResolution] = 72/1
[YResolution] = 72/1
[ResolutionUnit] = Inch
[Software] = "17.2.1"
[DateTime] = "2024:02:07 13:49:54"
[YCbCrPositioning] = Centered
[ExifOffset] = @ 0x00E4
[GPSTimeStamp] = @ 0x00E2
Offset to Next IFD = 0x00000000

```

Informasi kamera yang didapatkan

```

*** Marker: APP2 (xFFE2) ***
OFFSET: 0x00000002
Length      = 3160
Identifier   = [ICC_PROFILE]
ICC Profile:
  Marker Number = 1 of 1
    Profile Size      : 3144 bytes
    Preferred CMM Type : 'Lino' (0x4C696E6F)
    Profile Version    : 0.2.1.0 (0x02100000)
    Profile Device/Class : Display Device profile ('mntr' (0x6D6E7472))
    Data Colour Space   : rgbData ('RGB ' (0x52474220))
    Profile connection space (PCS) : 'XYZ ' (0x58595A20)
    Profile creation date : 1998-02-09 06:49:00
    Profile file signature : 'acsp' (0x61637370)
    Primary platform     : Microsoft Corporation ('MSFT' (0x4D534654))
    Profile flags         : 0x00000000
    Profile flags         : > Profile not embedded
    Profile flags         : > Profile can't be used independently of embedded
    Device Manufacturer   : 'IEC ' (0x49454320)
    Device Model          : 'sRGB' (0x73524742)
    Device attributes     : 0x00000000_00000000
    Device attributes     : > Reflective
    Device attributes     : > Glossy
    Device attributes     : > Media polarity = negative
    Device attributes     : > Black & white media
    Rendering intent       : Media-Relative Colorimetric
    Profile creator        : 'HP ' (0x48502020)
    Profile ID             : 0x00000000_00000000_00000000_00000000

```

Informasi gambar

Searching Compression Signatures: (3347 built-in, 0 user(*))

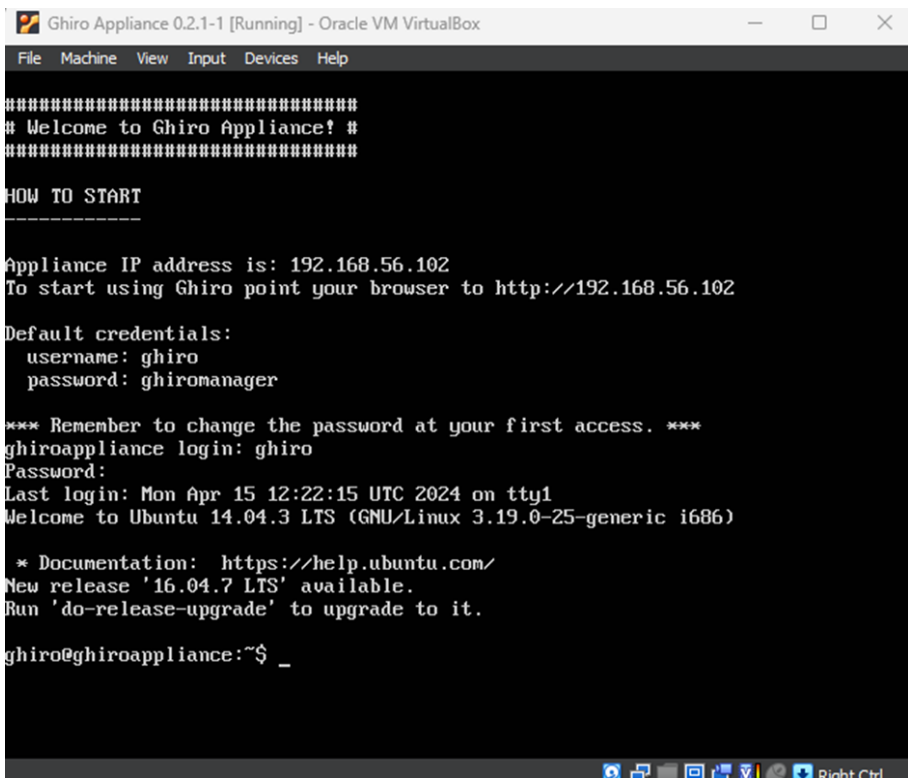
EXIF.Make / Software	EXIF.Model	Quality	Subsamp Match?
SW :[Adobe Photoshop]		[Save As 10]	

Based on the analysis of compression characteristics and EXIF metadata:

ASSESSMENT: Class 1 - Image is processed/edited

Perangkat lunak penyunting

Ghiro:



```
#####
# Welcome to Ghiro Appliance! #
#####

HOW TO START
-----

Appliance IP address is: 192.168.56.102
To start using Ghiro point your browser to http://192.168.56.102

Default credentials:
  username: ghiro
  password: ghiromanager

*** Remember to change the password at your first access. ***
ghiroappliance login: ghiro
Password:
Last login: Mon Apr 15 12:22:15 UTC 2024 on tty1
Welcome to Ubuntu 14.04.3 LTS (GNU/Linux 3.19.0-25-generic i686)

 * Documentation:  https://help.ubuntu.com/
New release '16.04.7 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

ghiro@ghiroappliance:~$ _
```

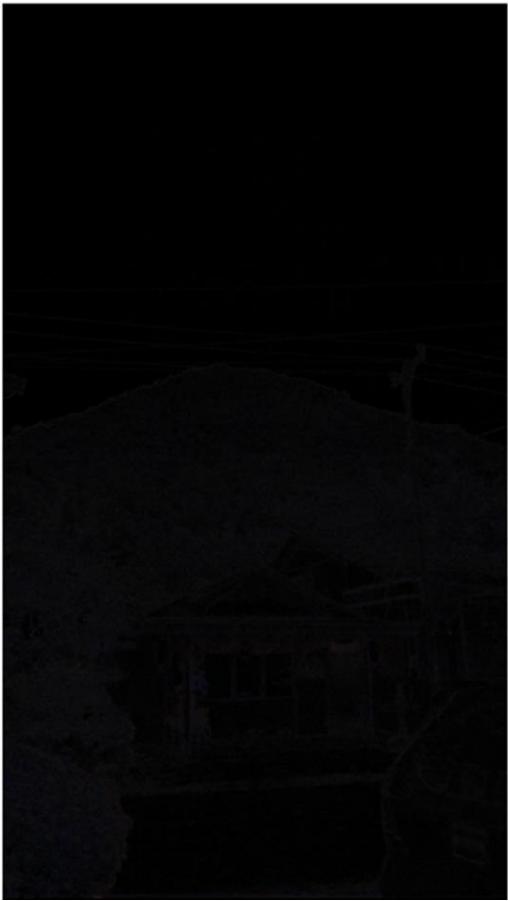
Tampilan Aplikasi Ghiro saat dijalankan



Setelah membuat kasus baru pada Ghiro

File name	Status 	Owner	Submitted at
smpgklsu.png	Completed	ghis	April 15, 2024, 10:54 p.m.
BM3_7470.jpg	Completed	ghis	April 15, 2024, 8:05 p.m.

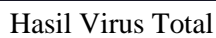
Tampilan sisipan gambar



ELA foto asli



ELA menggunakan foto hasil steganografi



Hasil Virus Total