

### 1. *Source Code* Bel.py

```
import RPi.GPIO as GPIO
import time
import os
GPIO.setmode(GPIO.BCM)
GPIO.setup(18, GPIO.IN, pull_up_down=GPIO.PUD_UP)
while True:
    input_state = GPIO.input(18)
    if input_state == False:
        print('Bell Ditekan')
        time.sleep(0.2)
        os.system("fswebcam -r 1280x720 -d /dev/video0
/home/pi/DOORBELL/webcam.jpg")
        os.system("python /home/pi/DOORBELL/Pushetta.py")
        os.system("python /home/pi/DOORBELL/Gmail.py")
```

### 2. *Source Code* Pushetta.py

```
from pushetta import Pushetta
API_KEY="52b64950800a00dbc3a2d917ab09c304c79fe406"
CHANNEL_NAME="pidoorbellpi"
p=Pushetta(API_KEY)
p.pushMessage(CHANNEL_NAME, "Hallo, Ada Orang Diluar! Silahkan Periksa
Email Untuk Melihat Foto")
```

### 3. *Source Code* Gmail.py

```
#!/usr/bin/env python
import smtplib
from email.MIMEMultipart import MIMEMultipart
from email.MIMEBase import MIMEBase
from email.MIMEText import MIMEText
from email.Utils import COMMASPACE, formatdate
```

```

from email import Encoders
import os
USERNAME = "pidoorbellpi@gmail.com"
PASSWORD = "pidoorbellpi"
def sendMail(to, subject, text, files=[]):
    assert type(to)==list
    assert type(files)==list
    msg = MIMEMultipart()
    msg['From'] = USERNAME
    msg['To'] = COMMASPACE.join(to)
    msg['Date'] = formatdate(localtime=True)
    msg['Subject'] = subject
    msg.attach( MIMEText(text) )
    for file in files:
        part = MIMEBase('application', "octet-stream")
        part.set_payload( open(file,"rb").read() )
        Encoders.encode_base64(part)
        part.add_header('Content-Disposition', 'attachment; filename="%s"'
            % os.path.basename(file))
        msg.attach(part)
        server = smtplib.SMTP('smtp.gmail.com:587')
        server.ehlo_or_helo_if_needed()
        server.starttls()
        server.ehlo_or_helo_if_needed()
        server.login(USERNAME,PASSWORD)
        server.sendmail(USERNAME, to, msg.as_string())
        server.quit()
sendMail( ["pidoorbellclient@gmail.com"],
    "Doorbell Notification",
    "Seseorang Menekan Bell Rumah, Foto Terlampir",
    ["/home/pi/DOORBELL/webcam.jpg"] )

```

# LAMPIRAN