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# LAMPIRAN

*Lampiran 1* Dokumentasi Proses pengambilan data



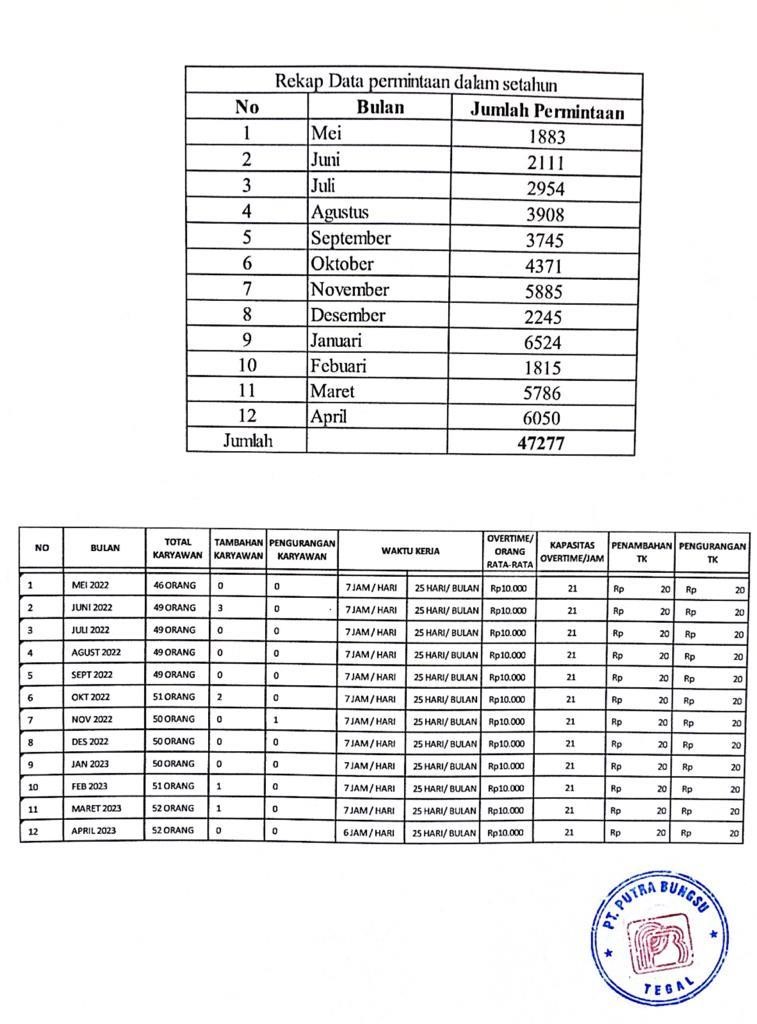
*Lampiran 2 Profil Singkat Perusahaan Tempat Penelitian*



*Lampiran 3* Surat balasan dari PT. Putra Bungsu

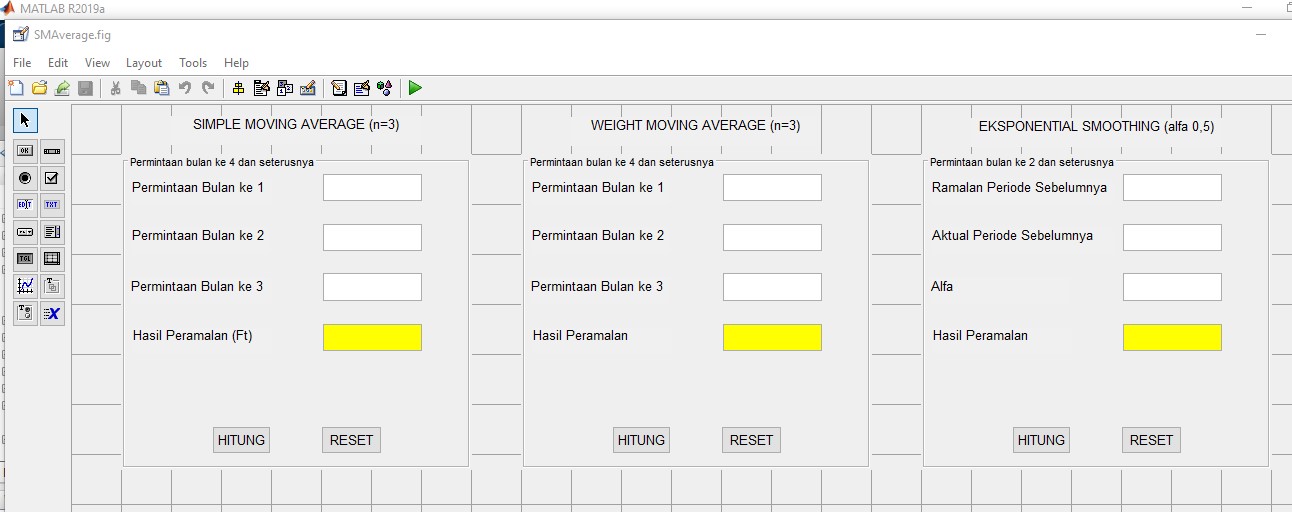


*Lampiran 4 Data* PermintaanPT. Putra Bungsu

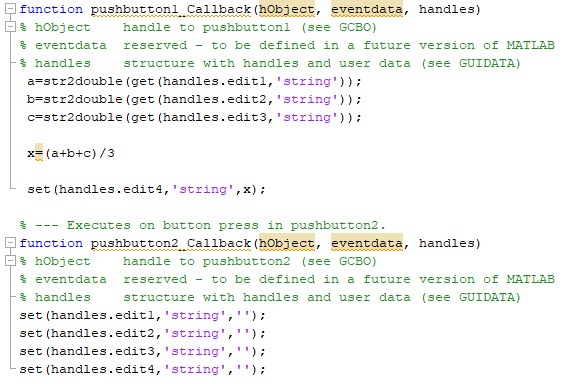


*Lampiran 5 Coding pada aplikasi matlab*

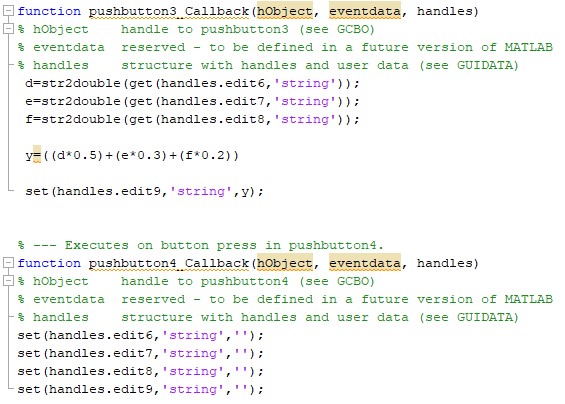
1. Program untuk menghitung *forecasting simple moving average, weight moving average dan exponential smoothing*



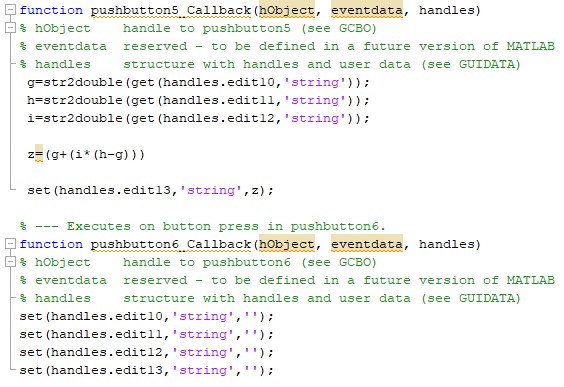
*Coding: Simple Moving Average*



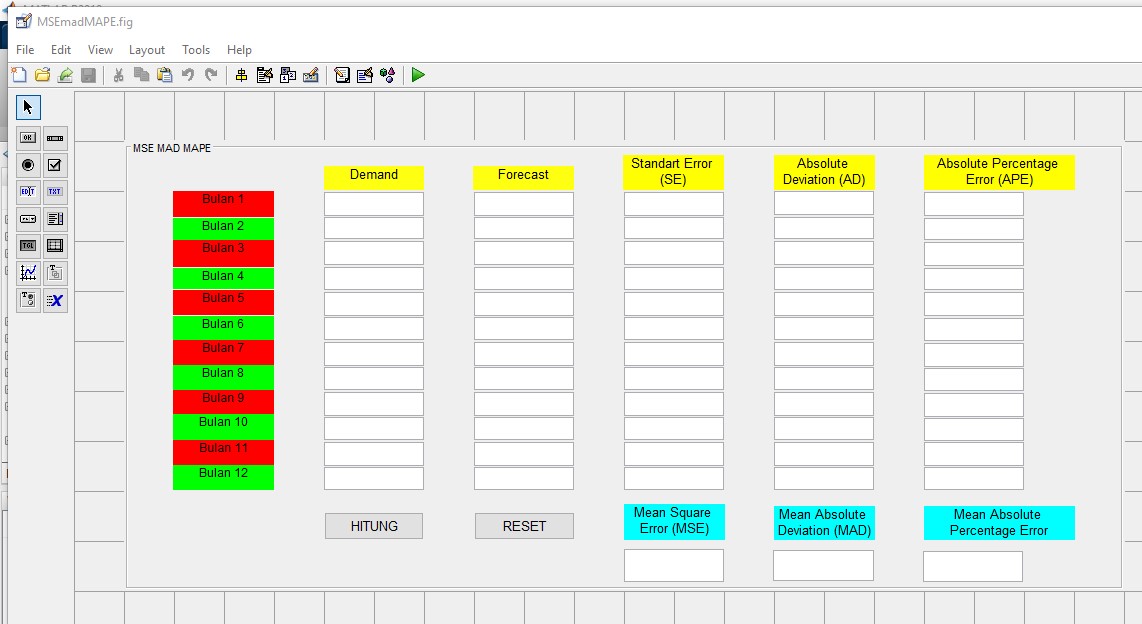
*Coding: Weight Moving Average*



*Coding: Exponential Smoothing*



1. Program untuk menghitung *MAD, MSE dan MAPE*



Coding:

% --- Executes on button press in pushbutton1. function pushbutton1\_Callback(hObject, eventdata, handles)

% hObject handle to pushbutton1 (see GCBO)

% eventdata reserved - to be defined in a future version of MATLAB

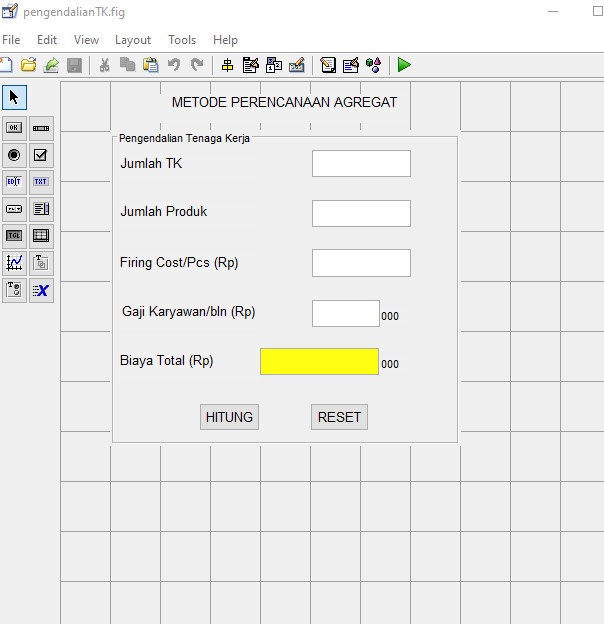
% handles structure with handles and user data (see GUIDATA) a=str2double(get(handles.edit1,'string')); b=str2double(get(handles.edit2,'string')); c=str2double(get(handles.edit3,'string')); d=str2double(get(handles.edit4,'string')); e=str2double(get(handles.edit5,'string')); f=str2double(get(handles.edit6,'string')); g=str2double(get(handles.edit7,'string')); h=str2double(get(handles.edit8,'string')); i=str2double(get(handles.edit9,'string')); j=str2double(get(handles.edit10,'string')); k=str2double(get(handles.edit11,'string')); l=str2double(get(handles.edit12,'string')); aa=str2double(get(handles.edit13,'string')); bb=str2double(get(handles.edit14,'string')); cc=str2double(get(handles.edit15,'string')); dd=str2double(get(handles.edit16,'string')); ee=str2double(get(handles.edit17,'string')); ff=str2double(get(handles.edit18,'string')); gg=str2double(get(handles.edit19,'string')); hh=str2double(get(handles.edit20,'string')); ii=str2double(get(handles.edit21,'string')); jj=str2double(get(handles.edit22,'string')); kk=str2double(get(handles.edit23,'string')); ll=str2double(get(handles.edit24,'string'));

se1=(a-aa)^2 se2=(b-bb)^2 se3=(c-cc)^2 se4=(d-dd)^2 se5=(e-ee)^2 se6=(f-ff)^2 se7=(g-gg)^2 se8=(h-hh)^2 se9=(i-ii)^2 se10=(j-jj)^2 se11=(k-kk)^2 se12=(l-ll)^2 mse=((((a-aa)^2)+((b-bb)^2)+((c-cc)^2)+((d-dd)^2)+((e-ee)^2)+((fff)^2)+((g-gg)^2)+((h-hh)^2)+((i-ii)^2)+((j-jj)^2)+((k-kk)^2)+((lll)^2))/12) ad1=abs(a-aa) ad2=abs(b-bb) ad3=abs(c-cc) ad4=abs(d-dd) ad5=abs(e-ee) ad6=abs(f-ff) ad7=abs(g-gg) ad8=abs(h-hh) ad9=abs(i-ii) ad10=abs(j-jj) ad11=abs(k-kk) ad12=abs(l-ll) mad=(((abs(a-aa))+(abs(b-bb))+(abs(c-cc))+(abs(d-dd))+(abs(eee))+(abs(f-ff))+(abs(g-gg))+(abs(h-hh))+(abs(i-ii))+(abs(jjj))+(abs(k-kk))+(abs(l-ll)))/12) ape1=(abs(a-aa))/a\*100 ape2=(abs(b-bb))/b\*100 ape3=(abs(c-cc))/c\*100 ape4=(abs(d-dd))/d\*100 ape5=(abs(e-ee))/e\*100 ape6=(abs(f-ff))/f\*100 ape7=(abs(g-gg))/g\*100 ape8=(abs(h-hh))/h\*100 ape9=(abs(i-ii))/i\*100 ape10=(abs(j-jj))/j\*100 ape11=(abs(k-kk))/k\*100 ape12=(abs(l-ll))/l\*100 mape=((((abs(a-aa))/a\*100)+((abs(b-bb))/b\*100)+((abs(ccc))/c\*100)+((abs(d-dd))/d\*100)+((abs(e-ee))/e\*100)+((abs(fff))/f\*100)+((abs(g-gg))/g\*100)+((abs(h-hh))/h\*100)+((abs(iii))/i\*100)+((abs(j-jj))/j\*100)+((abs(k-kk))/k\*100)+((abs(lll))/l\*100))/12)

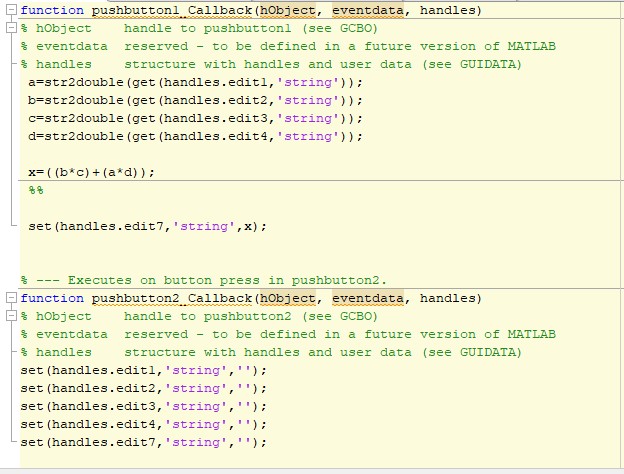
set(handles.edit25,'string',se1); set(handles.edit26,'string',se2); set(handles.edit27,'string',se3); set(handles.edit28,'string',se4); set(handles.edit29,'string',se5); set(handles.edit30,'string',se6); set(handles.edit31,'string',se7); set(handles.edit32,'string',se8); set(handles.edit33,'string',se9); set(handles.edit34,'string',se10); set(handles.edit35,'string',se11); set(handles.edit36,'string',se12); set(handles.edit37,'string',mse); set(handles.edit38,'string',ad1); set(handles.edit39,'string',ad2); set(handles.edit40,'string',ad3); set(handles.edit41,'string',ad4); set(handles.edit42,'string',ad5); set(handles.edit43,'string',ad6); set(handles.edit44,'string',ad7); set(handles.edit45,'string',ad8); set(handles.edit46,'string',ad9); set(handles.edit47,'string',ad10); set(handles.edit48,'string',ad11); set(handles.edit49,'string',ad12); set(handles.edit50,'string',mad); set(handles.edit51,'string',ape1); set(handles.edit52,'string',ape2); set(handles.edit53,'string',ape3); set(handles.edit54,'string',ape4); set(handles.edit55,'string',ape5); set(handles.edit56,'string',ape6); set(handles.edit57,'string',ape7); set(handles.edit58,'string',ape8); set(handles.edit59,'string',ape9); set(handles.edit60,'string',ape10); set(handles.edit61,'string',ape11); set(handles.edit62,'string',ape12);

set(handles.edit63,'string',mape);

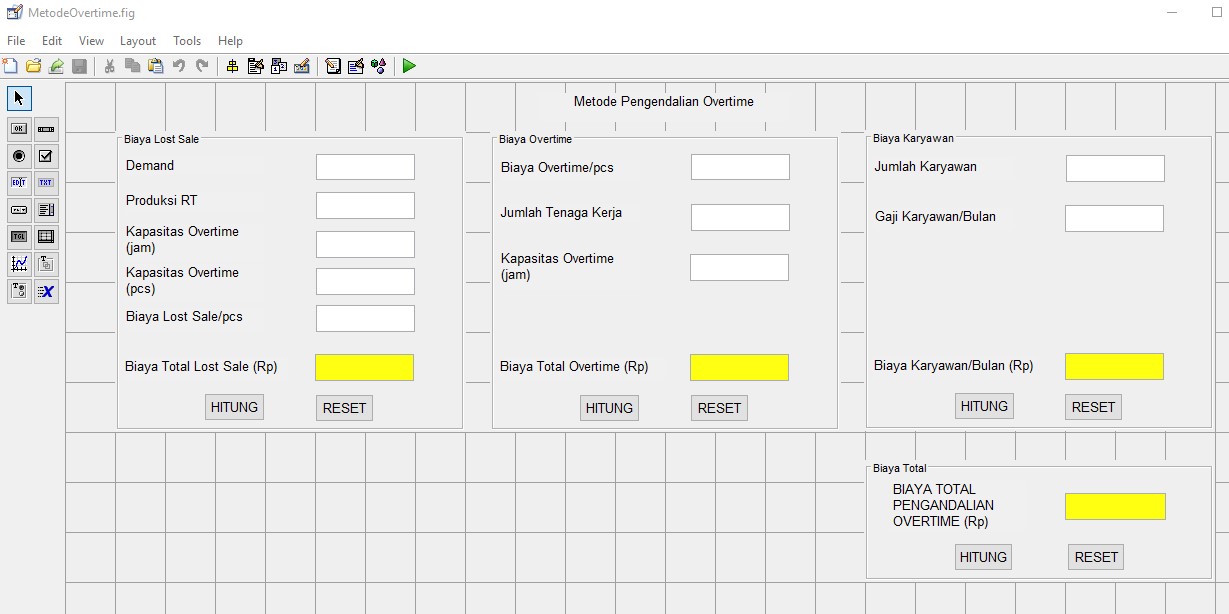
1. Program untuk menghitung metode aggregate pengendalian tenaga kerja



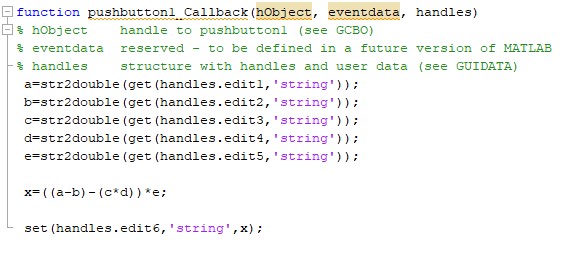
Coding:



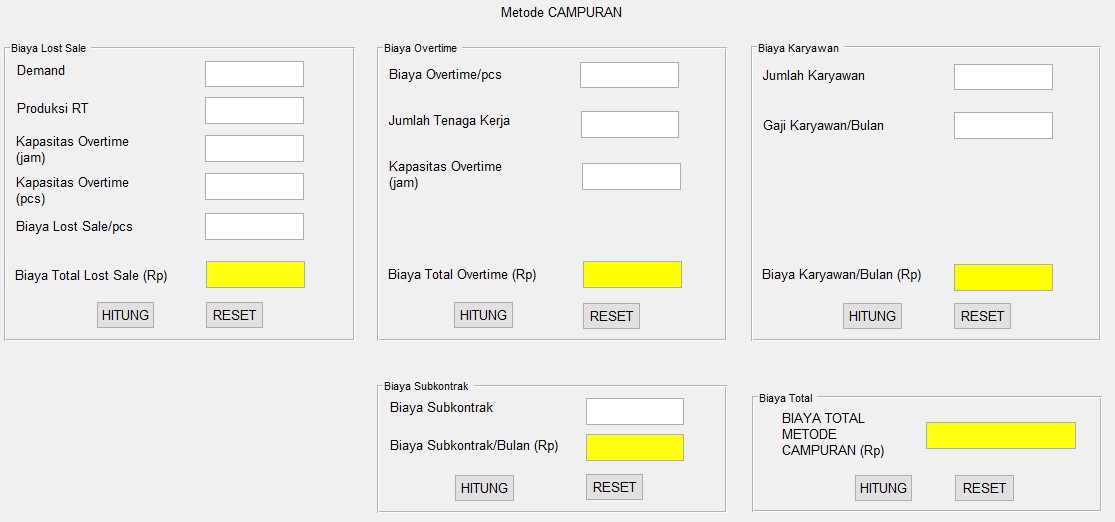
1. Program Untuk Menghitung metode agregat Overtime



Coding:



1. Program Untuk Menghitung metode agregat Campuran



Coding: function pushbutton1\_Callback(hObject, eventdata, handles)

% hObject handle to pushbutton1 (see GCBO)

% eventdata reserved - to be defined in a future version of MATLAB

% handles structure with handles and user data (see GUIDATA) a=str2double(get(handles.edit1,'string')); b=str2double(get(handles.edit2,'string')); c=str2double(get(handles.edit3,'string')); d=str2double(get(handles.edit4,'string')); e=str2double(get(handles.edit5,'string'));

x=((a-b)-(c\*d))\*e;

set(handles.edit6,'string',x);

% --- Executes on button press in pushbutton2. function pushbutton2\_Callback(hObject, eventdata, handles)

% hObject handle to pushbutton2 (see GCBO)

% eventdata reserved - to be defined in a future version of MATLAB

% handles structure with handles and user data (see GUIDATA) set(handles.edit1,'string',''); set(handles.edit2,'string',''); set(handles.edit3,'string',''); set(handles.edit4,'string',''); set(handles.edit5,'string',''); set(handles.edit6,'string',''); pushbutton3\_Callback(hObject, eventdata, handles)

% hObject handle to pushbutton3 (see GCBO)

% eventdata reserved - to be defined in a future version of

MATLAB

% handles structure with handles and user data (see GUIDATA) f=str2double(get(handles.edit7,'string')); g=str2double(get(handles.edit8,'string')); h=str2double(get(handles.edit9,'string'));

y=f\*g\*h set(handles.edit10,'string',y);

% --- Executes on button press in pushbutton4. function pushbutton4\_Callback(hObject, eventdata, handles)

% hObject handle to pushbutton4 (see GCBO)

% eventdata reserved - to be defined in a future version of

MATLAB

% handles structure with handles and user data (see GUIDATA) set(handles.edit7,'string',''); set(handles.edit8,'string',''); set(handles.edit9,'string','');

set(handles.edit10,'string','');

function pushbutton5\_Callback(hObject, eventdata, handles)

% hObject handle to pushbutton5 (see GCBO)

% eventdata reserved - to be defined in a future version of MATLAB

% handles structure with handles and user data (see GUIDATA) i=str2double(get(handles.edit11,'string')); j=str2double(get(handles.edit12,'string'));

z=i\*j set(handles.edit13,'string',z);

% --- Executes on button press in pushbutton6. function pushbutton6\_Callback(hObject, eventdata, handles)

% hObject handle to pushbutton6 (see GCBO)

% eventdata reserved - to be defined in a future version of

MATLAB

% handles structure with handles and user data (see GUIDATA)

set(handles.edit11,'string',''); set(handles.edit12,'string',''); set(handles.edit13,'string',''); function pushbutton7\_Callback(hObject, eventdata, handles)

% hObject handle to pushbutton7 (see GCBO)

% eventdata reserved - to be defined in a future version of MATLAB

% handles structure with handles and user data (see GUIDATA) k=str2double(get(handles.edit14,'string')); l=str2double(get(handles.edit15,'string')); m=str2double(get(handles.edit16,'string'));

xx=k\*l\*m set(handles.edit17,'string',xx);

% --- Executes on button press in pushbutton8. function pushbutton8\_Callback(hObject, eventdata, handles)

% hObject handle to pushbutton8 (see GCBO)

% eventdata reserved - to be defined in a future version of MATLAB

% handles structure with handles and user data (see GUIDATA) set(handles.edit14,'string',''); set(handles.edit15,'string',''); set(handles.edit16,'string',''); set(handles.edit17,'string',''); function pushbutton10\_Callback(hObject, eventdata, handles) % hObject handle to pushbutton10 (see GCBO)

% eventdata reserved - to be defined in a future version of MATLAB

% handles structure with handles and user data (see GUIDATA) set(handles.edit1,'string',''); set(handles.edit2,'string',''); set(handles.edit3,'string',''); set(handles.edit4,'string',''); set(handles.edit5,'string',''); set(handles.edit6,'string',''); set(handles.edit7,'string',''); set(handles.edit8,'string',''); set(handles.edit9,'string',''); set(handles.edit10,'string',''); set(handles.edit11,'string',''); set(handles.edit12,'string',''); set(handles.edit13,'string',''); set(handles.edit14,'string',''); set(handles.edit15,'string',''); set(handles.edit16,'string',''); set(handles.edit17,'string',''); set(handles.edit18,'string','');

% --- Executes on button press in pushbutton9. function pushbutton9\_Callback(hObject, eventdata, handles)

% hObject handle to pushbutton9 (see GCBO)

% eventdata reserved - to be defined in a future version of

MATLAB

% handles structure with handles and user data (see GUIDATA) i=str2double(get(handles.edit11,'string')); j=str2double(get(handles.edit12,'string')); k=str2double(get(handles.edit14,'string')); l=str2double(get(handles.edit15,'string')); m=str2double(get(handles.edit16,'string')); f=str2double(get(handles.edit7,'string')); g=str2double(get(handles.edit8,'string')); h=str2double(get(handles.edit9,'string'));

s=(i\*j)+(k\*l\*m)+(f\*g\*h)

set(handles.edit18,'string',s);

*Lampiran 6* Lembar Bimbingan SKRIPSI

