LAMPIRAN

1. **Tambahkan Folder**

```
procedure TForm3.Button7Click(Sender: TObject);
begin
  if ListBox1.Items.IndexOf(DirectoryListBox1.Directory) > -1 then
  begin
    MessageDlg('Mohon maaf, Folder yang anda pilih sudah ada',
mtInformation,
      [mbOK], 1);
    // whatever you want to do if your listbox contains 'yourString'
  end
  else
  begin
    ListBox1.Items.Add(DirectoryListBox1.Directory);
  end;
end;
```

2. **Bersihkan Pengisian Folder**

```
procedure TForm3.Button8Click(Sender: TObject);
begin
  ListBox1.Items.Clear;
end;
```

3. **Simpan Folder**

```
procedure TForm3.Button6Click(Sender: TObject);
var
  cek: Integer;
begin
  cek := simpanbacatxt('settingfolderkirim.txt', ListBox1, 'simpan');
  if cek > 0 then
  begin
    MessageDlg('Berhasil tersimpan !', mtInformation, [mbOK], 1);
  end
  else
  begin
    MessageDlg('Mohon maaf, Data gagal tersimpan !', mtError, [mbOK], 1);
  end;
end;
```

4. **Tambahkan Ekstensi**

```
procedure TForm3.Button2Click(Sender: TObject);
```

```
var
  i: Integer;
begin
  ListBox2.Items.Clear;
  for i := 0 to CheckListBox1.Count - 1 do
  begin
    if CheckListBox1.Checked[i] then
      ListBox2.Items.Add(CheckListBox1.Items.Strings[i]);
  end;
end;
```

5. **Bersihkan Pengisian Ekstensi**

```
procedure TForm3.Button9Click(Sender: TObject);
begin
  ListBox2.Items.Clear;
end;
```

6. **Simpan Ekstensi**

```
procedure TForm3.Button1Click(Sender: TObject);
var
  cek: Integer;
begin
  cek := simpanbacatxt('settingekstensi.txt', ListBox2, 'simpan');
  if cek > 0 then
  begin
    MessageDlg('Berhasil tersimpan !', mtInformation, [mbOK], 1);
  end
  else
  begin
    MessageDlg('Mohon maaf, Data gagal tersimpan !', mtError, [mbOK], 1);
  end;
end;
```

7. **Tambahkan FTP Tujuan**

```
procedure TForm3.Button3Click(Sender: TObject);
begin
  if ListBox3.Items.IndexOf(Edit3.Text + ':' + Edit4.Text + '@' + Edit2.Text)
    > -1 then
  begin
    MessageDlg('Mohon maaf, Ftp tujuan yang anda maksud sudah ada !',
```

```
    mtInformation, [mbOK], 1);
  end
  else
  begin
   ListBox3.Items.Add(Edit3.Text + ':' + Edit4.Text + '@' + Edit2.Text);
   Edit2.Clear;
   Edit3.Clear;
   Edit4.Clear;
  end;
end;
```

8. Bersihkan FTP Tujuan

```
procedure TForm3.Button10Click(Sender: TObject);
begin
 ListBox3.Items.Clear;
end;
```

9. Simpan FTP Tujuan

```
procedure TForm3.Button4Click(Sender: TObject);
var
 cek: Integer;
begin
 cek := simpanbacatxt('settingftptujuan.txt', ListBox3, 'simpan');
 if cek > 0 then
 begin
  MessageDlg('Berhasil tersimpan !', mtInformation, [mbOK], 1);
 end
 else
 begin
  MessageDlg('Mohon maaf, Data gagal tersimpan !', mtError, [mbOK], 1);
 end;
end;
```

10. Simpan

```
function TForm3.simpanbacatxt(const namafile: String; const teksfile:
TListBox;
 const aksi: String): Integer;
var
 myFile: textfile;
 Text: String;
```

```
  hasil: Integer;
begin
  hasil := 0;
  if FileExists(ExtractFileDir(Application.ExeName) + '/' + namafile) then
  begin
    // Try to open the Test.txt file for writing to
    AssignFile(myFile, ExtractFileDir(Application.ExeName) + '/' + namafile);
    if aksi = 'simpan' then
    begin
      ReWrite(myFile);
      // Write a couple of well known words to this file
      WriteLn(myFile, teksfile.Items.Text);
      hasil := 1;
    end
    else if aksi = 'baca' then
    begin
      Reset(myFile);
      // Display the file contents
      while not Eof(myFile) do
      begin
        ReadLn(myFile, Text);
        if Text <> '' then
        begin
          teksfile.Items.Add(Text);
        end;
      end;
      hasil := 1;
    end;
    // Close the file
    CloseFile(myFile);
  end;
  result := hasil;
end;
end.
```

11. File yang ditampilkan

```
procedure TForm1.MemoHasilClick(Sender: TObject);
var
  Line: Integer;
begin
```

```
  with (Sender as TMemo) do
  begin
    Line := Perform(EM_LINEFROMCHAR, SelStart, 0);
    SelStart := Perform(EM_LINEINDEX, Line, 0);
    Sellength := Length(Lines[Line]);
    if Lines[Line] <> '' then
    begin
      ShowMessage(Lines[Line]);
    end;
  end;
end;
```

12. Memproses pembacaan file yang terpilih

```
procedure TForm1.Timer1Timer(Sender: TObject);
var
  i: Integer;
  MyFile: THandle;
  namafolder, namafile: string;
  logtext: string;
begin
  Memo1.Lines.Clear;
  Timer1.Enabled := False;
  for i := 0 to ListBox1.Count - 1 do
  begin
    if ListBox1.Items.Strings[i] <> '' then
    begin
      FileSearch(ListBox1.Items.Strings[i], 'carifile', '', Memo1);
    end;
  end;

  for i := 0 to Memo1.Lines.Count - 1 do
  begin
    if IsFileInUse(Memo1.Lines.Strings[i]) then
    begin
      // ShowMessage('File is in use.');
    end
    else
    begin
      logtext := 'Proses File dengan Nama "' + ExtractFilename
        (Memo1.Lines.Strings[i]) + '"';
```

```
      MemoUtama.Lines.Add(logtext);
      log(logtext);

      namafolder  :=  ChangeFileExt(ExtractFilename(Memo1.Lines.Strings[i]),
''
       + '/';

      namafile := ExtractFilename(Memo1.Lines.Strings[i]);
      if CreateDir(ExtractFileDir(Application.ExeName)
         + '/PROSES/' + namafolder) then
      begin
       CopyFile(PChar(Memo1.Lines.Strings[i]), PChar
          (ExtractFileDir(Application.ExeName)
            + '/PROSES/' + namafolder + namafile), False);

       logtext := 'Berhasil membuat temp File "' + ExtractFilename
        (Memo1.Lines.Strings[i]) + '"';
       MemoUtama.Lines.Add(logtext);
       log(logtext);
      end
      else
      begin
       logtext := 'Gagal membuat temp File "' + ExtractFilename
        (Memo1.Lines.Strings[i]) + '"';
       MemoUtama.Lines.Add(logtext);
       log(logtext);
      end;

      RenameFile(Memo1.Lines.Strings[i], Memo1.Lines.Strings[i] + '.kirim');

      if not FileExists(ExtractFileDir(Application.ExeName)
         + '/PROSES/' + namafile + '.process') then
      begin
       MyFile := FileCreate(ExtractFileDir(Application.ExeName)
          + '/PROSES/' + namafile + '.process');
       if MyFile = INVALID_HANDLE_VALUE then
       begin
        logtext := 'File proses untuk "' + ExtractFilename
         (Memo1.Lines.Strings[i]) + '" sudah ada !';
        MemoUtama.Lines.Add(logtext);
```

```
        log(logtext);
      end
      else
      begin
        logtext := 'File proses untuk "' + ExtractFilename
          (Memo1.Lines.Strings[i]) + '" berhasil dibuat !';
        MemoUtama.Lines.Add(logtext);
        log(logtext);
      end;

      FileClose(MyFile);
    end;
    // ShowMessage('File not in use.');
  end;
 end;
 Timer1.Enabled := True;
end;
```

13. Persiapan Pengiriman File

```
procedure TForm1.Timer2Timer(Sender: TObject);
var
 i: Integer;
 namafolder, namafile, namafilescript, oldName, newName: string;
 logtext: string;
 MyText: TStringlist;
begin
 Timer2.Enabled := False;
 MemoProcess.Lines.Clear;

 FileSearch(ExtractFileDir(Application.ExeName) + '\PROSES',
  'carifiledengantipe', '.process', MemoProcess);

 for i := 0 to MemoProcess.Lines.Count - 1 do
 begin
  logtext := 'Persiapan file pengiriman data "' + ExtractFilename
    (MemoProcess.Lines.Strings[i]) + "";
  MemoUtama.Lines.Add(logtext);
  log(logtext);

  // namafilescript := 'script_' + DeleteSpaces
```

```
  // (ChangeFileExt(ExtractFilename(MemoProcess.Lines.Strings[i]), ''))
  // + '.txt';
  namafilescript := 'script_' + ChangeFileExt
    (ExtractFilename(MemoProcess.Lines.Strings[i]), '') + '.txt';

  namafolder                                                    :=
ChangeFileExt(ExtractFilename(MemoProcess.Lines.Strings[i]),
    '');
  namafolder := ChangeFileExt(namafolder, '') + '\';

  namafile                                                      :=
ChangeFileExt(ExtractFilename(MemoProcess.Lines.Strings[i]),
    '');

  MyText := TStringlist.Create;
  try
    MyText.Add('open ftp://' + ListBox3.Items.Strings[0]);
    MyText.Add('put "' + ExtractFileDir(Application.ExeName)
      + '\PROSES\' + namafolder + namafile + '"');
    MyText.Add('exit');
    MyText.SaveToFile(ExtractFileDir(Application.ExeName)
      + '\PROSES\' + namafolder + namafilescript);
    MyText.Clear;

    MyText.Add(ListBox3.Items.Strings[0]);
    MyText.Add(namafile);
    MyText.SaveToFile(ExtractFileDir(Application.ExeName)
      + '\PROSES\' + namafolder + 'koneksi_' + namafile + '.txt');

    logtext := 'Persiapan file "' + ExtractFilename
     (MemoProcess.Lines.Strings[i]) + '" berhasil dibuat !';
    MemoUtama.Lines.Add(logtext);
    log(logtext);
  finally
    MyText.Free
  end;

  try
    oldName := MemoProcess.Lines.Strings[i];
    newName := ChangeFileExt(oldName, '.siapkirim');
```

```
      RenameFile(oldName, newName);
      if (IOResult = 0) then
      begin
        logtext := 'Persiapan file "' + ExtractFilename
          (MemoProcess.Lines.Strings[i]) + '" selesai !';
        MemoUtama.Lines.Add(logtext);
        log(logtext);
      end;
    finally
      MemoUtama.Lines.Add('---------------------------');
      log('---------------------------');
    end;
  end;
  Timer2.Enabled := True;
end;
```

14. Proses pengiriman File

```
procedure TForm1.Timer3Timer(Sender: TObject);
var
  i: Integer;
  namafolder, namafile, oldName, newName: string;
  logtext: string;
begin
  // Timer3.Enabled := False;
  MemoKirim.Lines.Clear;

  FileSearch(ExtractFileDir(Application.ExeName) + '\PROSES',
    'carifiledengantipe', '.siapkirim', MemoKirim);

  for i := 0 to MemoKirim.Lines.Count - 1 do
  begin
    if MemoKirim.Lines.Strings[i] <> '' then
    begin
      namafolder                                                    :=
ChangeFileExt(ExtractFilename(MemoKirim.Lines.Strings[i]),
        '');
      namafolder := ExtractFileDir(Application.ExeName)
        + '\PROSES\' + ChangeFileExt(namafolder, '') + '\';

      namafile := 'script_' + ChangeFileExt
```

```
      (ExtractFilename(MemoKirim.Lines.Strings[i]), '.txt');

    logtext := 'Mulai pengiriman file "' + ExtractFilename
      (MemoKirim.Lines.Strings[i]) + '" . . . ';
    MemoUtama.Lines.Add(logtext);
    log(logtext);

    inherited;
    try
      logtext := GetDosOutput(
        '"c:\Program Files (x86)\WinSCP\WinSCP.com" /script="' +
namafolder +
          namafile + '"');
      MemoUtama.Lines.Add(logtext);
      log(logtext);
    except
      // Error al ejecutar
      // .. .Error treattement
    end;

    logtext := 'Proses pengiriman file "' + ExtractFilename
      (MemoKirim.Lines.Strings[i]) + '" Selesai ';
    MemoUtama.Lines.Add(logtext);
    log(logtext);
    try
      oldName := MemoKirim.Lines.Strings[i];
      newName := ChangeFileExt(MemoKirim.Lines.Strings[i], '.cekkirim');
      RenameFile(oldName, newName);
      if (IOResult = 0) then
      begin
        // ShowMessage('Benar');
      end;
    finally

    end;
    // if RenameFile(, , '.selesai')) then
    // begin
    // MemoUtama.Lines.Add('Proses Kirim ' + ExtractFilename
    // (MemoKirim.Lines.Strings[i]) + ' berhasil . . . .')
    // // ShowMessage('Unit1.dcu renamed OK')
```

```
    // end
    // else
    // begin
    // // ShowMessage('Unit1.dcu rename failed with error : ' + IntToStr
    // // (GetLastError));
    // end;
    // deletefile(MemoTemp2.Lines.Strings[i]);
  end;
 end;
```

15. Peringatan Pengiriman File

```
procedure TForm1.Timer4Timer(Sender: TObject);
var
 searchResult: TSearchRec;
 tempStringList, tempSplit, tempFile: TStringlist;
 TxtFile, tempurllokal, tempurlupload, tempHasil, tempHost, tempUsername,
  tempPassword: String;
 logtext: String;
 currentDate: TDateTime;
 objFTP: TIdFTP;
begin
 Timer4.Enabled := False;
 tempStringList := TStringlist.Create;

 if FindFirst(IncludeTrailingBackSlash(ExtractFileDir(Application.ExeName)
     + '\PROSES') + '\*.cekkirim', faAnyFile, searchResult) = 0 then
 begin
  try
   repeat
    if (searchResult.Attr and faDirectory) = 0 then
    begin
     tempStringList.Add
      (IncludeTrailingBackSlash(ExtractFileDir(Application.ExeName)
         + '\PROSES') + searchResult.Name);
     TxtFile := IncludeTrailingBackSlash
      (ExtractFileDir(Application.ExeName) + '\PROSES') + ChangeFileExt
      (ChangeFileExt(searchResult.Name, ''), '')
      + '\' + 'koneksi_' + ChangeFileExt(searchResult.Name, '.txt');

     tempSplit := TStringlist.Create;
```

```
        tempFile := TStringlist.Create;
        try
          bacatxt(TxtFile, tempFile);
          // ShowMessage(IntToStr(tempFile.Count)+TxtFile);
          tempurllokal := ExtractFileDir(Application.ExeName)
            + '\PROSES\' + ChangeFileExt(tempFile[1], '') + '\' + tempFile[1];
          tempurlupload := tempFile[1];

          Split('@', tempFile[0], tempSplit);
          // baca host
          tempHost := tempSplit[1];
          tempHasil := tempSplit[0];
          tempSplit.Clear;

          Split(':', tempHasil, tempSplit);
          tempUsername := tempSplit[0];
          tempPassword := tempSplit[1];
          // ShowMessage(tempSplit[0]);
        finally
          tempSplit.Free;
          tempFile.Free;
        end;
        // ShowMessage(tempurlupload);
        try
          objFTP := TIdFTP.Create;
          try
            objFTP.Disconnect;
            objFTP.Host := tempHost;
            objFTP.UserName := tempUsername;
            objFTP.Password := tempPassword;
            objFTP.IOHandler                                                    :=
TIdSSLIOHandlerSocketOpenSSL.Create(Self);
            objFTP.UseTLS := utUseExplicitTLS;
            // objFTP.DataPortProtection :=ftpdpsPrivate;
            // ShowMessage
            // (objFTP.Host + ' ' + objFTP.UserName + ' ' + objFTP.Password);
            try
              // Coba Koneksi
              objFTP.Passive := True;
              objFTP.Connect;
```

```
// ShowMessage(IntToStr(objFTP.Size(tempurlupload)));
// try
if objFTP.Size(tempurlupload) = FileSize(tempurllokal) then
begin
  currentDate := Now;
  try
    RenameFile(ExtractFileDir(Application.ExeName)
       + '\PROSES\' + tempurlupload + '.cekkirim',
     ExtractFileDir(Application.ExeName)
       + '\PROSES\' + tempurlupload + '.selesai');
    if (IOResult = 0) then
    begin
     logtext := 'File dengan nama "' + tempurlupload +
       '" Berhasil terkirim ! ';
     MemoUtama.Lines.Add(logtext);
     log(logtext);
     hapusfolder(ExtractFileDir(Application.ExeName)
        + '\PROSES\' + ChangeFileExt
        (ChangeFileExt(tempurlupload, ''), '') + '\');
    end;
  except
    logtext := 'Mohon maaf rename file "' + tempurlupload +
     '" untuk proses Selesai gagal dilakukan ! ';
    MemoUtama.Lines.Add(logtext);
    log(logtext);
  end;
end
else
begin
  try
    RenameFile(ExtractFileDir(Application.ExeName)
       + '\PROSES\' + tempurlupload + '.cekkirim',
     ExtractFileDir(Application.ExeName)
       + '\PROSES\' + tempurlupload +
       '.gagal-sizetidaksesuai');
    if (IOResult = 0) then
    begin
     logtext := 'Mohon maaf ukuran file "' + tempurlupload +
       '" tidak sesuai ! ';
     MemoUtama.Lines.Add(logtext);
```

```
            log(logtext);
          end;
        except
          logtext := 'Mohon maaf rename file "' + tempurlupload +
            '" untuk proses File tidak sesuai gagal dilakukan ! ';
          MemoUtama.Lines.Add(logtext);
          log(logtext);
        end;
      end;
    finally
      objFTP.Disconnect;
      try
        RenameFile(ExtractFileDir(Application.ExeName)
          + '\PROSES\' + tempurlupload + '.cekkirim', ExtractFileDir
          (Application.ExeName) + '\PROSES\' + tempurlupload +
          '.gagal-jaringan');
        if (IOResult = 0) then
        begin
          logtext :=
            'Koneksi ke jaringan yang dimaksud tidak berhasil ! ';
          MemoUtama.Lines.Add(logtext);
          log(logtext);
        end;
      except
        logtext := 'Mohon maaf rename file "' + tempurlupload +
          '" gagal koneksi jaringan gagal ! ';
        MemoUtama.Lines.Add(logtext);
        log(logtext);
      end;
    end;
  finally
    FreeAndNil(objFTP);
  end;
except

 end;
end
else if (searchResult.Name <> '.') and (searchResult.Name <> '..') then
begin
```

```
      end;
    until FindNext(searchResult) <> 0 finally FindClose(searchResult);
   end;
  end;

  // ShowMessage(inttostr(tempStringList.Count));
  tempStringList.Free;
  Timer4.Enabled := True;
end;
```

16. Peringatan Pencarian File

```
procedure TForm1.Timer5Timer(Sender: TObject);
begin
  // ShowMessage(ExtractFileDir(Application.ExeName)
  // + '\PROSES');
  FileSearch(ExtractFileDir(Application.ExeName) + '\PROSES',
    'carifiledengantipe', '.gagal*', MemoHasil);

  Timer5.Enabled := False;
end;
```

17. Pengiriman Otomatis dan Tidak Otomatis

```
procedure TForm1.sCheckBox1Click(Sender: TObject);
begin
  if sCheckBox1.Checked = True then
  begin
    StatusAktif.Caption := 'Aktif';
    LblStatus.Caption := '* Sistem Otomatis Mengirim Data';
  end
  else
  begin
    StatusAktif.Caption := 'Tidak';
    LblStatus.Caption :=
      '* Pilih data pada kolom File yang Ditemukan bila ingin mengirim data';
  end;
end;
```

18. Informasi Pengiriman File

```
procedure TForm1.Timer1Timer(Sender: TObject);
var
```

```
  i, checklanjut: Integer;
  MyFile: THandle;
  namafolder, namafile: string;
  logtext: string;
begin
  Memo1.Lines.Clear;
  Timer1.Enabled := False;
  for i := 0 to ListBox1.Count - 1 do
  begin
    if ListBox1.Items.Strings[i] <> '' then
    begin
      FileSearch(ListBox1.Items.Strings[i], 'carifile', '', Memo1);
    end;
  end;
  LblJmlDitemukan.Caption := IntToStr(Memo1.Lines.Count);

  for i := 0 to Memo1.Lines.Count - 1 do
  begin
    checklanjut := 0;
    if StatusAktif.Caption = 'Aktif' then
    begin
      checklanjut := 1;
    end
    else
    begin
      if Memo1.Lines.Strings[i] = Lblfilekirim.Caption then
      begin
        checklanjut := 1;
      end;
    end;

    if checklanjut = 1 then
    begin
      if IsFileInUse(Memo1.Lines.Strings[i]) then
      begin
        // ShowMessage('File is in use.');
      end
      else
      begin
        logtext := 'Proses File dengan Nama "' + ExtractFilename
```

```
  (Memo1.Lines.Strings[i]) + '"';
MemoUtama.Lines.Add(logtext);
log(logtext);

namafolder := ChangeFileExt(ExtractFilename(Memo1.Lines.Strings[i]),
  '') + '/';

namafile := ExtractFilename(Memo1.Lines.Strings[i]);
if CreateDir(ExtractFileDir(Application.ExeName)
    + '/PROSES/' + namafolder) then
begin
  CopyFile(PChar(Memo1.Lines.Strings[i]), PChar
      (ExtractFileDir(Application.ExeName)
        + '/PROSES/' + namafolder + namafile), False);

  logtext := 'Berhasil membuat temp File "' + ExtractFilename
    (Memo1.Lines.Strings[i]) + '"';
  MemoUtama.Lines.Add(logtext);
  log(logtext);
end
else
begin
  logtext := 'Gagal membuat temp File "' + ExtractFilename
    (Memo1.Lines.Strings[i]) + '"';
  MemoUtama.Lines.Add(logtext);
  log(logtext);
end;

RenameFile(Memo1.Lines.Strings[i], Memo1.Lines.Strings[i] + '.kirim');

if not FileExists(ExtractFileDir(Application.ExeName)
    + '/PROSES/' + namafile + '.process') then
begin
  MyFile := FileCreate(ExtractFileDir(Application.ExeName)
      + '/PROSES/' + namafile + '.process');
  if MyFile = INVALID_HANDLE_VALUE then
  begin
    logtext := 'File proses untuk "' + ExtractFilename
      (Memo1.Lines.Strings[i]) + '" sudah ada !';
    MemoUtama.Lines.Add(logtext);
```

```
          log(logtext);
        end
        else
        begin
          logtext := 'File proses untuk "' + ExtractFilename
            (Memo1.Lines.Strings[i]) + '" berhasil dibuat !';
          MemoUtama.Lines.Add(logtext);
          log(logtext);
        end;

        FileClose(MyFile);
      end;
      // ShowMessage('File not in use.');
    end;
  end;
 end;
 Timer1.Enabled := True;
end;
```