## PROGRAM DEFINITION

|  |
| --- |
|  |
| * Program untuk import Normal Journal dari file Excel |

## RELATED TABLES

|  |  |
| --- | --- |
|  | **Access** |
| * GLB\_IMPORT\_JOURNAL\_VALIDATION * GLT\_TRANS\_HD * GLT\_TRANS\_JRN * GLA\_ACCOUNT\_BALANCE * GSM\_COA * GSM\_CENTER * GSM\_COMPANY * GSM\_DEPARTMENT * GSM\_CURRENCY * GSM\_CURRENCY\_RATE * GLM\_SYSTEM\_PARAM | * RW * RW * RW * R * R * R * R * R * R * R * R |

## ROLES

|  |  |
| --- | --- |
|  | **Test** |
| * User yg mempunyai akses ke program |  |

## INITIAL PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Set VAR\_COMPANY\_ID = Login User’s Company ID * Set VAR\_USER\_ID = Login User ID * Set VAR\_LANGUAGE\_ID = Login User’s Language ID * Set VAR\_TODAY = Get Property Date dengan function dbo.RFN\_GET\_DB\_TODAY(VAR\_COMPANY\_ID) * Jalankan query berikut, simpan hasil ke VAR\_GSM\_COMPANY  SELECT CCOGS\_METHOD  ,LENABLE\_CENTER\_IS  ,LENABLE\_CENTER\_BS  ,LPRIMARY\_ACCOUNT  ,CBASE\_CURRENCY\_CODE   ,CLOCAL\_CURRENCY\_CODE FROM GSM\_COMPANY (NOLOCK) WHERE CCOMPANY\_ID = VAR\_COMPANY\_ID * Jalankan RSP\_GL\_GET\_SYSTEM\_PARAM dengan parameter, simpan hasil ke VAR\_GL\_SYSTEM\_PARAM   + VAR\_COMPANY\_ID   + VAR\_LANGUAGE\_ID * Jalankan RSP\_GS\_GET\_DEPT\_LOOKUP\_LIST dengan parameter, simpan hasil ke VAR\_USER\_DEPARTMENT\_LIST   + VAR\_COMPANY\_ID   + VAR\_USER\_ID * Set VAR\_CSOFT\_PERIOD\_START\_DATE dengan query berikut:  SELECT CSTART\_DATE  FROM GSM\_PERIOD\_DT (NOLOCK) WHERE CCOMPANY\_ID=VAR\_COMPANY\_ID  AND CCYEAR=VAR\_GL\_SYSTEM\_PARAM.CSOFT\_PERIOD\_YY AND CPERIOD\_NO= VAR\_GL\_SYSTEM\_PARAM.CSOFT\_PERIOD\_MM * Set VAR\_IUNDO\_COMMIT\_JRN dengan query berikut:  SELECT IOPTION  FROM GLM\_SYSTEM\_ENABLE\_OPTION (NOLOCK) WHERE CCOMPANY\_ID=VAR\_COMPANY\_ID  AND COPTION\_CODE=’GL014001’ * Jalankan query berikut, simpan hasil ke VAR\_GSM\_TRANSACTION\_CODE  SELECT LINCREMENT\_FLAG  ,LAPPROVAL\_FLAG  FROM GSM\_TRANSACTION\_CODE (NOLOCK) WHERE CCOMPANY\_ID = VAR\_COMPANY\_ID AND CTRANSACTION\_CODE=’000000’ * Jalankan query berikut, simpan hasil ke VAR\_GSM\_PERIOD  SELECT IMIN\_YEAR=CAST(MIN(CYEAR) AS INT)  ,IMAX\_YEAR=CAST(MAX(CYEAR) AS INT)\_   FROM GSM\_PERIOD (NOLOCK) WHERE CCOMPANY\_ID = VAR\_COMPANY\_ID |  |

## MAIN FORM

### USER INTERFACE

#### SINGLE AMOUNT FORMAT

##### INITIAL VERSION

A screenshot of a computer

Description automatically generated

#### SPLIT AMOUNT FORMAT

##### INITIAL VERSION

A screenshot of a computer

Description automatically generated

### BUTTON DEFINITION

|  |  |
| --- | --- |
| **Button Name** | **Action** |
| Import | Jalankan IMPORT JOURNAL PROCESS |
| Template | Jalankan DOWNLOAD TEMPLATE PROCESS |
| Process | Jalankan SAVE JOURNAL PROCESS |
| Reset | Jalankan RESET FORM PROCESS |
| View Error Logs | Jalankan POPUP ERROR LOGS |
|  |  |

### OUTPUT

|  |  |
| --- | --- |
|  | **Test** |
|  |  |

### ROLES

|  |  |
| --- | --- |
|  | **Test** |
|  |  |

### INITIAL PROCESS

|  |  |
| --- | --- |
|  | **Test** |
|  |  |

### DISPLAY PROCESS

#### FIELD DEFINITION

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Field** | **Type** | **Validation** |
| Filename |  | File Browser |  |
| Separate Debit/Credit Amount |  | Checkbox | On value changed   * IF True   + Display Journal Detail Grid dengan SPLIT AMOUNT FORMAT * ELSE   + Display Journal Detail Grid dengan SINGLE AMOUNT FORMAT |
|  |  |  |  |
| Department | CDEPT\_CODE | Textbox, disabled |  |
|  |  |  |  |
| Reference No. | CREF\_NO | Textbox, disabled |  |
| Reference Date | CREF\_DATE | Textbox, disabled |  |
| Document No. | CDOC\_DATE | Textbox, disabled |  |
| Document Date | CDOC\_DATE | Textbox, disabled |  |
|  |  |  |  |
| Description | CTRANS\_DESC | Textbox, disabled |  |
|  |  |  |  |
| Currency | CCURRENCY\_CODE | Textbox, disabled |  |
|  |  |  |  |
| Local Currency (Base Rate) | NLBASE\_RATE | Textbox, disabled |  |
| Local Currency Rate | NLCURRENCY\_RATE | Textbox, disabled |  |
| Local Currency Code | VAR\_GSM\_COMPANY.CLOCAL\_CURRENCY\_CODE | Textbox, disabled |  |
|  |  |  |  |
| Base Currency (Base Rate) | NBBASE\_RATE | Textbox, disabled |  |
| Transaction Currency Code | CCURRENCY\_CODE | Textbox, disabled |  |
| Base Currency (Currency Rate) | NBCURRENCY\_RATE | Textbox, disabled | IF selected currency code <> VAR\_GSM\_COMPANY.CBASE\_CURRENCY\_CODE THEN Enabled ELSE Disabled |
| Base Currency Code | VAR\_GSM\_COMPANY.CBASE\_CURRENCY\_CODE | Textbox, disabled |  |
|  |  |  |  |
| Total Debit | NTOTAL\_DEBIT | Textbox, disabled |  |
| Total Credit | NTOTAL\_CREDIT | Textbox, disabled |  |
|  |  |  |  |
|  |  |  |  |

#### JOURNAL DETAIL GRID DEFINITION (SINGLE AMOUNT FORMAT)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Field** | **Type** | **Validation** |
| Account No. | CGLACCOUNT\_NO | Label |  |
| Account Name | CGLACCOUNT\_NAME | Label |  |
| Center | CCENTER\_CODE | Label |  |
| D/C | CDBCR | Label |  |
| Amount | NTRANS\_AMOUNT | Label |  |
| Description | CDETAIL\_DESC | Label |  |
| DB (Local) | NLDEBIT | Label |  |
| CR (Local) | NLCREDIT | Label | Numeric with 2 decimal point |
| DB (Base) | NBDEBIT | Label | Numeric with 2 decimal point |
| CR (Base) | NBCREDIT | Label | Numeric with 2 decimal point |
| Grid Mode   * Read Only | | | |
|  |  |  |  |

#### JOURNAL DETAIL GRID DEFINITION (SPLIT AMOUNT FORMAT)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Field** | **Type** | **Validation** |
| Account No. | CGLACCOUNT\_NO | Label |  |
| Account Name | CGLACCOUNT\_NAME | Label |  |
| Center | CCENTER\_CODE | Label |  |
| Debit | NDEBIT | Label |  |
| Credit | NCREDIT | Label |  |
| Description | CDETAIL\_DESC | Label |  |
| DB (Local) | NLDEBIT | Label |  |
| CR (Local) | NLCREDIT | Label | Numeric with 2 decimal point |
| DB (Base) | NBDEBIT | Label | Numeric with 2 decimal point |
| CR (Base) | NBCREDIT | Label | Numeric with 2 decimal point |
| Grid Mode   * Read Only | | | |
|  |  |  |  |

#### BUTTON MODE

|  |  |
| --- | --- |
| **Button Name** | **Mode** |
| Import | IF has selected file THEN Enabled ELSE Disabled |
| Template | Enabled |
| Process | IF has valid file THEN Enabled ELSE Disabled |
| Reset | Enabled |
| View Error Logs | Disabled |
|  |  |
|  |  |

### RESET FORM PROCESS

#### VALIDATION

|  |  |  |
| --- | --- | --- |
| **Field** | **Condition** | **Validation Message** |
|  |  |  |
|  |  |  |

#### ACTION

|  |
| --- |
|  |
| * Reset semua field di form * Reset JOURNAL DETAIL Grid |

### IMPORT JOURNAL PROCESS

#### VALIDATION

|  |  |  |
| --- | --- | --- |
| **Field** | **Condition** | **Validation Message** |
| File Name | Empty | Please select file to import! |
|  |  |  |

#### ACTION

|  |
| --- |
|  |
| * Create Temporary Table #GLT00200\_JOURNAL dengan struktur di JOURNAL TEMPORARY TABLE * Set VAR\_PROCESS\_ID = new GUID * Proses file dan simpan ke temporary table #GLT00200\_JOURNAL sesuai dengan JOURNAL EXCEL TEMPLATE MAPPING (Set field CPROSES\_ID dengan VAR\_PROCESS\_ID) dan display di form * Refresh form dengan RSP\_GL\_GET\_IMPORT\_JOURNAL\_DETAIL\_LIST dengan parameter   + VAR\_PROCESS\_ID |

#### JOURNAL TEMPORARY TABLE

|  |  |  |
| --- | --- | --- |
| **No.** | **Field** | **Data Type** |
| 1 | CPROCESS\_ID | VARCHAR(50) NOT NULL |
| 2 | CCOMPANY\_ID | VARCHAR(8) NOT NULL, DEFAULT TO VAR\_COMPANY\_ID |
| 3 | CDEPT\_CODE | VARCHAR(8) NOT NULL |
| 4 | CTRANS\_CODE | VARCHAR(10) NOT NULL, DEFAULT TO 000000 |
| 5 | CREF\_NO | VARCHAR(30) NOT NULL |
| 6 | CREF\_DATE | CHAR(8) NOT NULL |
| 7 | CDOC\_NO | VARCHAR(30) NOT NULL |
| 8 | CDOC\_DATE | CHAR(8) NOT NULL |
| 9 | CTRANS\_DESC | NVARCHAR(200) NOT NULL |
| 10 | CCURRENCY\_CODE | CHAR(3) NOT NULL |
| 11 | NLBASE\_RATE | NUMERIC(20,6) NOT NULL |
| 12 | NLCURRENCY\_RATE | NUMERIC(20,6) NOT NULL |
| 13 | NBBASE\_RATE | NUMERIC(20,6) NOT NULL |
| 14 | NBCURRENCY\_RATE | NUMERIC(20,6) NOT NULL |
| 15 | CGLACCOUNT\_NO | VARCHAR(20) NOT NULL |
| 16 | CGLACCOUNT\_NAME | NVARCHAR(100) NOT NULL |
| 17 | CCENTER\_CODE | VARCHAR(10) NOT NULL |
| 18 | CDBCR | CHAR(1) NOT NULL |
| 19 | NTRANS\_AMOUNT | NUMERIC(19,2) NOT NULL |
| 20 | NLTRANS\_AMOUNT | NUMERIC(19,2) NOT NULL |
| 21 | NBTRANS\_AMOUNT | NUMERIC(19,2) NOT NULL |
| 22 | CDETAIL\_DESC | NVARCHAR(200) NOT NULL |
| 23 | CDOCUMENT\_NO | VARCHAR(20) NOT NULL |
| 24 | CDOCUMENT\_DATE | CHAR(8) NOT NULL |
|  |  |  |
|  |  |  |

#### JOURNAL EXCEL TEMPLATE MAPPING

|  |  |  |
| --- | --- | --- |
| **No.** | **Field (Excel)** | **Field (Temporary Table)** |
| 1 | Department | CDEPT\_CODE |
| 2 | Reference\_No | CREF\_NO |
| 3 | Reference\_Date | CREF\_DATE |
| 4 | Document\_No | CDOC\_NO |
| 5 | Document\_Date | CDOC\_DATE |
| 6 | Description | CTRANS\_DESC |
| 7 | Currency | CCURRENCY\_CODE |
| 8 | Local\_Currency | NLBASE\_RATE |
| 9 | Local\_Currency\_Rate | NLCURRENCY\_RATE |
| 10 | Base\_Currency | NBBASE\_RATE |
| 11 | Base\_Currency\_Rate | NBCURRENCY\_RATE |
|  |  |  |
| 12 | Account\_No | CGLACCOUNT\_NO |
| 13 | Account\_Name | CGLACCOUNT\_NAME |
| 14 | Center | CCENTER\_CODE |
| 15 | Db\_Cr | CDBCR |
| 16 | Amount | NTRANS\_AMOUNT |
| 17 | Description | CDETAIL\_DESC |
| 18 | Voucher\_No | CDOCUMENT\_NO |
| 19 | Voucher\_Date | CDOCUMENT\_DATE |
|  |  |  |

#### JOURNAL EXCEL TEMPLATE MAPPING (SEPARATED DEBIT/CREDIT AMOUNT)

|  |  |  |
| --- | --- | --- |
| **No.** | **Field (Excel)** | **Field (Temporary Table)** |
| 1 | Department | CDEPT\_CODE |
| 2 | Reference\_No | CREF\_NO |
| 3 | Reference\_Date | CREF\_DATE |
| 4 | Document\_No | CDOC\_NO |
| 5 | Document\_Date | CDOC\_DATE |
| 6 | Description | CTRANS\_DESC |
| 7 | Currency | CCURRENCY\_CODE |
| 8 | Local\_Currency | NLBASE\_RATE |
| 9 | Local\_Currency\_Rate | NLCURRENCY\_RATE |
| 10 | Base\_Currency | NBBASE\_RATE |
| 11 | Base\_Currency\_Rate | NBCURRENCY\_RATE |
|  |  |  |
| 12 | Account\_No | CGLACCOUNT\_NO |
| 13 | Account\_Name | CGLACCOUNT\_NAME |
| 14 | Center | CCENTER\_CODE |
| 15 | Db\_Cr | IF Debit\_Amount > 0 THEN D ELSE C |
| 16 | Debit\_Amount | NTRANS\_AMOUNT |
| 17 | Credit\_Amount | NTRANS\_AMOUNT |
| 18 | Description | CDETAIL\_DESC |
| 19 | Voucher\_No | CDOCUMENT\_NO |
| 20 | Voucher\_Date | CDOCUMENT\_DATE |

### SAVE JOURNAL PROCESS

#### VALIDATION

|  |  |  |
| --- | --- | --- |
| **Field** | **Condition** | **Validation Message** |
| Department | Empty | Department is required! |
| Reference Date | Empty | Reference Date is required! |
|  | < VAR\_CCURRENT\_PERIOD\_START\_DATE | Reference Date cannot be before Current Period! |
|  |  |  |
| Document No. | Empty AND  Doc. Date Not Empty | Please input Document No.! |
| Doc. Date | Not Empty AND > today | Document Date cannot be after today! |
|  | Not Empty AND < VAR\_CCURRENT\_PERIOD\_START\_DATE | Document Date cannot be before Current Period! |
|  | Empty AND  Document No. NOT Empty | Please input Document Date! |
| Currency | Empty | Currency is required! |
|  |  |  |
| Total Debit | <= 0 | Total Debit must be greater than 0! |
|  | >0 AND <> Total Credit | Total Debit must be equal to Total Credit! |
|  |  |  |
| Total Credit | <= 0 | Total Credit must be greater than 0! |
|  |  |  |
| Local Currency Base Rate | <= 0 | Local Currency Base Rate must be greater than 0! |
| Local Currency Rate | <= 0 | Local Currency Rate must be greater than 0! |
| Base Currency Base Rate | <= 0 | Base Currency Base Rate must be greater than 0! |
| Base Currency Rate | <= 0 | Base Currency Rate must be greater than 0! |
|  |  |  |
|  |  |  |

#### ACTION

|  |
| --- |
|  |
| * Disable button View Error Logs * Jalankan RSP\_GL\_IMPORT\_JOURNAL dengan parameter, simpan hasil ke VAR\_RESULT   + VAR\_COMPANY\_ID   + VAR\_USER\_ID   + VAR\_PROCESS\_ID * IF VAR\_RESULT.IERROR\_COUNT=0   + Display message ‘Import Journal Successful!’ * ELSE   + Enable button View Error Logs   + Display message ‘Import Journal failed! Click button View Error Logs for more details.’ |

### DOWNLOAD TEMPLATE PROCESS

#### VALIDATION

|  |  |  |
| --- | --- | --- |
| **Field** | **Condition** | **Validation Message** |
|  |  |  |
|  |  |  |

#### ACTION

|  |
| --- |
|  |
| * Compress file berikut ke dalam file GL\_JOURNAL\_UPLOAD\_TEMPLATE.zip dan jalankan proses download file   + GL\_JOURNAL\_UPLOAD.xlsx   + GL\_JOURNAL\_UPLOAD\_SPLIT\_DBCR.xlsx |

## POPUP ERROR LOGS

### USER INTERFACE

#### INITIAL VERSION

Graphical user interface, text, application, email

Description automatically generated

### BUTTON DEFINITION

|  |  |
| --- | --- |
| **Button Name** | **Action** |
| Close | Tutup Form |
|  |  |

### OUTPUT

|  |  |
| --- | --- |
|  | **Test** |
|  |  |

### ROLES

|  |  |
| --- | --- |
|  | **Test** |
| * Admin |  |

### INITIAL PROCESS

|  |  |
| --- | --- |
|  | **Test** |
| * Refresh Error Logs Grid dengan RSP\_GL\_GET\_IMPORT\_JOURNAL\_ERROR\_LIST dengan parameter, simpan hasil ke VAR\_RESULT   + VAR\_PROCESS\_ID   + VAR\_LANGUAGE\_ID |  |

### DISPLAY PROCESS

#### FIELD DEFINITION

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Field** | **Type** | **Validation** |
| File Name | Selected File Name di form pemanggil | Textbox, disabled |  |
|  |  |  |  |
|  |  |  |  |

#### ERROR LOGS GRID DEFINITION

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Field** | **Type** | **Validation** |
| No. | INO |  |  |
| Error Description | CERROR\_MSG |  |  |
|  |  |  |  |
|  | | | |

#### BUTTON MODE

|  |  |
| --- | --- |
| **Button Name** | **Mode** |
| Close | Enabled |
|  |  |

# CR LIST

|  |  |  |
| --- | --- | --- |
| **CR** | **Description** | **Notes** |
| 00  20-Apr-2023 | * INITIAL VERSION |  |
|  |  |  |
|  |  | </CR2> |
|  |  |  |

#### TEMPLATE

#### VALIDATION

|  |  |  |
| --- | --- | --- |
| **Field** | **Condition** | **Validation Message** |
|  |  |  |
|  |  |  |

#### ACTION

|  |
| --- |
|  |
|  |