LIST OF FIGURES

FigureII.1 Basic Process Modelling (IEEE Computer Society, 1998)..... 6
Figure II.2 Maintenance Activity (Pressman, 2010)..... 8
Figure II.3 Application Framework (Tect.)..... 10
Figure II.4 Framework performance comparison (Yii Supporters, 2016)..... 11
Figure II.5 *Static structure of Yii application* (Supporters, 2016) 12
Figure II.6 Research method ilustration (Cockburn, 2008) 16
Figure III.1 Conseptual Model..... 18
FigureIV.1Process business existing..... 22
Figure IV.2Process business target 23
Figure IV.3Use case diagram (existing)..... 27
Figure IV.4 Use case diagram (target) 28
Figure IV.5 Activity diagram for assign surveyor existing..... 32
Figure IV.6 Activity diagram for assign survey..... 33
Figure IV.7 Activity diagram for notification..... 34
Figure IV.8 Activity diagram for monitoring 35
Figure IV.9 Activity diagram for verification..... 36
Figure IV.10 Create assign survey 37
Figure IV.11 Delete assign survey 38
Figure IV.12 Monitoring status count..... 39
Figure IV.13 Qualification monitoring (admin)..... 40
Figure IV.14 Monitoring of status detail company..... 40
Figure IV.15 Surveyor monitoring..... 41
Figure IV.16 Verification Monitoring..... 41
Figure IV.17 Qualification monitoring (verificator)..... 42
Figure IV.18 Company status monitoring..... 42
Figure IV.19 Verification Survey 43
Figure IV.20 Verified survey 43
Figure IV.21 Entry data survey..... 44
Figure IV.22 Change status of survey qualification..... 45
Figure IV.23 Notification list..... 45
Figure IV.24 Notification detail..... 46
Figure IV.25 Class diagram for notification 47
Figure IV.26 Class diagram for assign survey 47
Figure IV.27 Class digram form1 49
Figure IV.28 Class diagram form2..... 50
Figure IV.29 Assign Survey ERD..... 51
Figure IV.30 Notification ERD..... 51
Figure IV.31 Form 1 ERD 52
Figure IV.32 Form 2 ERD 53
Figure IV.33 Menu object survey (administrator) 54
Figure IV.34 Menu add assignment..... 54
Figure IV.35 List of survey assignment..... 55

Figure IV.36 List menu of monitoring (administrator) 55
Figure IV.37 Monitoring progress surveyor 55
Figure IV.38 Monitoring progress verificator 56
Figure IV.39 Monitoring company form status 56
Figure IV.40 Monitoring company status 57
Figure IV.41 Monitoring status survey 57
Figure IV.42 Monitoring report survey 57
Figure IV.43 Monitoring list menu (verificator) 58
Figure IV.44 Monitoring verification status 58
Figure IV.45 Monitoring verification status chart 59
Figure IV.46 List of verified survey 59
Figure IV.47 List of survey verification 59
Figure IV.48 List form survey 60
Figure V.1 Implementation structure package 61
Figure V.2 Implementation project structure 62
Figure V.3 Deployment Digram 63
Figure V.4 First and next data load 66
Figure V.5 Stability result execution time 67
Figure V.6 Maximum memory usage graph 68