**Survey of retailer business management in Jakarta:**

**Character, Application, and Influence on Business Development**

**IMPLEMENTATION REPORT OF ENDLINE SURVEY DATA COLLECTION 2018**

1. **Background**

In order to understand the correlation between good business management and business development, Tilburg University in cooperation with J-PAL SEA has appointed Survey Meter to conduct “Survey of Retailer Business Management in Jakarta” which consists of two stages: baseline and endline. The baseline survey was carried out in March-April 2016, and the endline survey took place exactly 1 year later, i.e. March - April 2017. Between the two studies, interventions were done by J-PAL SEA and the team.

The results of Endline survey in 2017 gave us information on short-term impacts of the intervention. To investigate the long-term impacts, Tilburg University in cooperation with the World Bank once again appointed Survey Meter to conduct the 2nd Endline survey in 2018.

1. **Preparation of the study**

The endline survey in 2018 began with a pilot survey which aimed to test the questionnaire as well as to get information on the average time needed to complete a questionnaire. The pilot survey was conducted in Jakarta on 11-12 April 2018. Although we found no problems with the questions, the time allocated to complete a questionnaire was far too long.

Therefore, revisions were made and some questions were reduced. The revised questionnaire was used for the second pilot test in Yogyakarta, which gave us the expected result: the interview was completed in 30 – 45 minutes.

In general, the endline survey questionnaire consists of 13 sections, they are: 1] Metadata and Enumerator Information, 2] Consent Form and Enterprise Identifying Information, 3] Screening Questions, 4] Basic Information, 5] Business Employees, 6] Products and Services, 7] Business Practices and Planning, 8] Profits, Revenues, Expenses, and Savings, 9] Aspirations and Forward-Looking Behavior, 10] Finance and Credit, 11] Satisfaction and Happiness Level, 12] Interviewer assesment, dan 13] Continuation of Metadata information and Enumerator.

The next stage after pilot survey is the building of the data entry program according to the questionnaire revised after the second pilot. During the making of the entry program, minor changes were constantly made. At the same time, the permission letters to conduct survey in the field were being prepared by the officer in charge.

The next stage which is also the last stage is the training activity. It was conducted on April 17-20, 2010 in Jakarta. The total number of training participants was 20, consisted of 16 enumerators, 4 supervisors from the headquarter, a programmer, and instructor. The activities conducted during training are in-class lecture, interview demonstration by instructor's assistance, interview practice in groups, interview practice in pairs, live-respondent interview that reflects the actual interview with respondent. All activities during training went well. The field teams departed on April 20, 2018.

Based on the findings from two pilot tests and field practice activity, we have to anticipate the facts that some shops have closed down, some respondents refused to interview, and the process to find the panel respondents takes some time and even some visits. Based on the enumerators' experience, many respondents were unable to be reached even until the last day of the survey in the field.

1. **Implementation in the field**

Based on the baseline survey and end-line survey in 2017, the second endline survey (2018) was conducted in 30 villages spread in 4 cities: Central Jakarta, West Jakarta, East Jakarta, and South Jakarta. There were 1.186 stores as target respondents that were interviewed during endline survey. Data collection was done by 4 teams. Each team consisted of one supervisor and three interviewers. The number of respondents and villages in each city is presented on the table below.

Table 1. Number of respondents in each city

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **City** | **# Village** | **# Respondent** |
| 1 | West Jakarta | 6 | 260 |
| 2 | Central Jakarta | 5 | 127 |
| 3 | South Jakarta | 10 | 430 |
| 4 | East Jakarta | 9 | 369 |
|  | Total | 30 | 1.186 |

There were 4 types of target respondents in endline survey: 1] endline respondents, 2] Intervened respondents, 3] Baseline respondents and 4] new respondents (non-baseline, non-endline, and non-intervened respondents). The order shows priority in terms of who should be interviewed first. As long as the first respondent could be called, survey officers had to try to find the respondent. Yet, if the survey officers could not meet the first respondent in 3 visits, second, third and fourth respondent can replace the first respondent.

This rule makes the process of interview a bit complicated. Some respondents could not be visited in one visit. In the first visit, many respondents were not at home, busy or requested to be interviewed next time. Besides finding difficulties in meeting the respondents, there were cases that many stores closed, stores refused to be interviewed, stores were almost closed down so there were only a few stocks.

In endline survey, the closed stores would not be interviewed. To maintain numbers of sample, the stores that were temporary closed due to family reason and were still willing to re-open the stores would still be interviewed. In addition, stores that were almost closed down so there were less stock (less than 7 types) were also interviewed. In the effort of fulfilling the required number of respondent targets, the team had made a re-visit to respondents who refused the previous visit.

Despite all of those obstacles and with the efforts made, the team could finish the interviews well. 86,76% interviews were completed; 0,08% interviews were partly finished as respondents refused to continue the interview halfway; 0,93% interviews were incomplete due to out of town and not return until the survey ended or respondents were sick; 7,42% stores closed and 4,81% refused the interview. The completion rate is presented in the following table.

**Table 2. Completion rate of endline survey**

|  |  |  |  |
| --- | --- | --- | --- |
| No | Result | Number | Percentage |
| 1 | Finished | 1.029 | 86,76 |
| 2 | Partly Finished | 1 | 0,08 |
| 3 | Not finished, Reasons other than refusing | 11 | 0,93 |
| 4 | Closed | 88 | 7,42 |
| 5 | Refused | 57 | 4,81 |
|  | Total | 1.186 | 100 |

1. **Data Quality Control**

Data quality control during data collection both in the field and post-survey (after the interviews had been done) was done in some steps.

1. **Pre data collection**

Field officers of endline survey were chosen from SurveyMETER research assistants that have been involved in the previous activity. 33 percent of the officers came from baseline officers. Other officers were recruited from SurveyMETER research assistants who have ever worked in the area of Jakarta. All officers have got high ability in research and they also mastered the CAPI (*Computer Assisted Personal Interview*) system usage.

Focused research method and combined with trainings both in and outside the class as well as pretty tight training schedule are believed to be able to give substantial knowledge and good interview practice for participants. In addition, participants were evaluated daily by being given homework, tests and interview practices in field practice. The final evaluation was taken from the average value of homework and test as well as field practice.

1. **Data Entry in the Field**

SurveyMETER mainly uses CSPro application in data entry activity. The general application is specifically customized for complex data entry purposes. The application is able to create forms and fields in large numbers quickly. Data in this application is stored in txt so as easily readable by other applications. CSPro application can also be merged with other supporting application such as STATA, Visual Basic, PHP or other application as part of system automatization or improvement of data-entry quality.

SurveyMETER choose the CAPI (Computer Assisted Personal) system, a field-based computer data entry system, as the method of interview and data entry to support data collection of the surveys. The system proved to be more advantageous compared to paper and pencil interview. The time lag is minimized for the questionnaire to return to the field for further clarification. Quality control by field personnel is facilitated This method can provide keyed and clean data more quickly to the central office for further consolidation and evaluation.

Below are the features we apply into the data entry system:

1. **User friendly**, procedures in data entry is made as easy as possible for user. We create special menu for data entry to speed up work and minimize procedural mistakes in data entry.
2. **File version management.** We name installation and backup name using special standard in order to avoid mistakea in file usage or deletion. File version management is designed as response to our experience when field editor sometimes still use old/wrong application where skip pattern or consistency check is probably out of date. For installation file, we generate log file so that editor is able to find out the changes in the application.
3. Our application can be merged with external reference data, such as code of location, panel respondent references, or other references whenever required to improve quality of data
4. Data entry form is designed as similar as possible to questionnaire. This design eases editor to check and compare questionnaire and data entry form therefore he/she can speed up data entry work and reduce mistakes during data entry process.
5. So far, we have standard application of data entry: enter data (entry), check and modify data (edit/modification) and delete data (delete). Special notice on delete menu, default CSPro feature enables user to delete data without preserving deleted data so that the data is completely removed from computer, however we in SurveyMETER have applied special feature where deleted data is not actually removed from computer but we rename it using "`" (tilde) sign instead, this method can be found in ISSA application. Using this feature, if an editor makes mistakes with data deletion, we can restore the data back.
6. **Variable tree**, this feature help editor to find variables and all variables that are available in data entry.
7. **Consistency checks or Lookup** can be conducted directly during data entry or after all data entry is completed. During data entry, error messages will appear whenever inconsistency is found in the fields so that editor can edit it directly. Consistency check also applies to skip pattern, an error message will appear if data entry skip is inconsistent with skip pattern in the questionnaire. Inconsistency in skip pattern usually happened because there are updates in skip pattern in questionnaire or mistake in skip pattern in the previous application so that editor must update the data and adjust the changes.
8. **Missing checks**, SurveyMETER has created an application to check missing data. The objective of this application is to minimize missing data. Missing data usually appears if the interviewer doesn't ask some data to the respondent or there are mistakes in skip pattern during the interview. Using this application, our editor can easily identify variables with missing data, record the mistake then coordinate with the interviewer to update the data.
9. **Recapitulation**, this application is very important during data entry where consistency checks are generated to check consistency between variables, range and skip pattern, missing check and data completion. All checks are referred to target data. The editor will final check based on recapitulation output.
10. **Backup**, we have a good backup system to avoid data loss during data entry in the field. The system integrated into main menu system, so the editor can easily implement this procedure.
11. **Double entry** (data verification), data entry application used by SurveyMeter is also applicable for double-entry activity, in order to obtain better data quality. Double entry can be applied as full entry or partial entry for selected variable depending on what the user requires. Comparison of both data can be well documented and tabulated to generate error percentage in data entry.
12. **Web-based data transfer**, To improve data transfer to the center, we have password protected web based data transfer, the web will check the data during upload and will notice the user if found problem in the data, the web also have file management system to improve data checking. The web used as centered file management system, the system can make data processing faster, so the data manager can generate feedback to the team faster.
13. **Quality Control during data collection**

We designed management information system during data collection using “Editor Form (Form E) to facilitate the interaction between editors and interviewers. Every enumerator should have a constant communication with the CAPI editors. His/her completed interview checked against the recording and any errors will be communicated to him/her via an MIS form that listed the errors (Form E). The enumerators make correction on the errors and if necessary she/he may revisit the respondent to obtain the correct information.

The supervisor is responsible for maintaining high quality of data through spot checking the completed interview, verification of interview to the respondent and observe interview. The verification of interview was done by listening to interview and check with entry data. Errors in probing or not following the procedure could be detected in this audio checking. He is in constant communication with the Data Manager at the central office who is monitoring and check the data quality of all data sent to the central office.

1. **Quality control at the central office**

The Data Manager monitor and check all data received from the field for completeness of the information. He is in constant communication with the field team via email and mobile phone. There are also independent data specialists who are doing data cleaning. They check error log from the data file received in the head office. Any errors that are found will be communicated to the team. Errors could also be identified by listening to the recording interview. On this basis, the errors were corrected and clean data is obtained. This process involved a team of experienced data cleaners and editors and is coordinated and managed by the Data Manager and supervised by the team leader.

Data cleaning is conducted after field activities are completed by the data specialists as well as the supervisors/editors. After the data was cleaned, it was submitted to the research coordinator. Here are the activities conducted during the data cleaning;

1. Check outliers and consistency check for selected variables. We also check other variables deemed to be checked based on listening to the audio recording.
2. Check data through listening the audio recording. This was done after we found errors in the data, either from error log from the field or error log run by the data specialists. The errors were checked against the recording to find the correct information on which basis data could be modified. If the fact from the audio recording did not explain the error because it is the true condition in the field we did not modify the data.
3. Check “Others” variables. The purpose is to check if the answer given by respondent could be included in the options available in the variable or if not whether it is necessary to open other options to accommodate the answer.
4. **Problems Encountered in the field**

In the process of data collection, the team faced many technical problems that sometimes hampered the fieldwork activities. The following were some technical problems faced by teams.

* 1. Interviewers found it hard to meet target respondents and asked them to re-schedule the time of the interview.

Officers often found it hard to meet respondents and often asked to re-schedule time of interview due to respondents’ busy schedule. In this case, officers need to visit the house more than one time until they successfully could interview the respondents.

* 1. Cases of refusal.

There were many cases of refusal that made officers work harder so respondents were willing to be interviewed. Some other reasons that made respondents refuse to be interviewed were:

1] They were busy and they had no time to have the interview for 1,5 hours

2] They did not think that they would get any benefits during the research

3] They felt disappointed with the intervened implementation that took respondents’ time, effort and thought too much. Even, respondents said they need to argue with some members of the family and their child got sick due to intervention.

4] They felt the interview was unnecessary as they had been interviewed in Endline survey 2017 and it was sufficient.

c. Many closed stores made officers try to get information from the respondents’ neighbors or closest resident to make sure that the stores had been really closed down.

Regarding the content of the questionnaire, respondents often find difficulty in answering questions such as:

1. Number of buyers coming per day, especially respondents that had their stores in the roadside or near a school
2. Total profit that the store got last month
3. Total sale of the store last month
4. Total purchase of the store last month
5. Daily Sales Rate per that the respondent wants in the next 1 year
6. Daily Sales Rate that respondents want in the next 1,5 year.
7. **Suggestions and Closing**

**Suggestions**

The biggest obstacles of the implementation of end-line survey were: interviewers found it hard to meet respondents, high rate of stores closed down and respondents’ refusal. For the similar studies, there should be more respondents in baseline period. Hence, if there is any refusal or the store had been closed down, the number of samples in end-line period still achieves expected target. In addition, the addition to location in villages or smaller cities area probably will reduce such obstacle.

**Closing**

Although there were problems encountered in the field, SurveyMETER team could finish their task and collected the data in time. We would like to say our gratitude to Government of Special Province of Jakarta and its team/officers who gave us permission so our activity went well. SurveyMETER team would also like to thanks to the chance given to participate in this study. We really appreciate support and collaboration from Tilburg University and J-PAL SEA (Abdul Latif Jameel Poverty Action Lab, Southeast Asia Regional Office). We are looking forward to having another opportunity to have such collaboration in the future.

**Schedule of Endline Survey Training**

**SURVEY OF RETAILERS IN INDONESIA**

**Jakarta, 17 – 20 April 2018**

**Day 1: Tuesday, 17 April 2018**

|  |  |  |
| --- | --- | --- |
| **Time** | **Materials** | **Instructor/Coordinator** |
| 08.00 – 08.30 | Overview | Ibu Wayan |
| 08.30 – 09.45 | SECTION 0: Metadata and Enumerator Information  SECTION 1: Consent Form and Enterprise Identifying Information  SECTION 2: Screening Question  SECTION 3: Basic information/ Start-up history  SECTION 4: Business Employees  SECTION 5: Products and Services | Edy Purwanto |
| 09.45 – 10.00 | Coffee break |  |
| 10.15 – 12.00 | SECTION 7: Business Practices and Planning | Bu Wayan/Edy |
| 12.00 – 13.00 | Break |  |
| 13.00 – 15.00 | SECTION 8: Profits, Revenues, Expenses, and Savings  SECTION 10: Aspirations and Forward-Looking Behavior  SECTION 9: Finance and Credit | Edy/Bu Wayan |
| 15.00 – 15.30 | Coffee break |  |
| 15.30 – 17.00 | SECTION 13A: Satisfaction and Happiness Level  SECTION 16: Interviewer assessment  SECTION 17: Continuation of Metadata information and Enumerator | Edy/Bu Wayan |
|  |  |  |

**Day 2: Wednesday, 18 April 2018**

|  |  |  |
| --- | --- | --- |
| **Time** | **Materials** | **Instructor/Coordinator** |
| 08.00 – 09.45 | CAPI | Nanang |
| 09.45 – 10.00 | Coffee break |  |
| 10.00 – 12.00 | Interview demonstration | Vita and Larasati |
| 12.00 – 13.00 | Break |  |
| 13.00 – 14.00 | Group interview | Team (Supervisor role-playing as respondent) |
| 14.00 – 15.30 | Paired interview | Team |
| 15.30 – 16.00 | Coffee break |  |
| 16.00 – 17.00 | Discussion and review | Edy Purwanto and Ibu Wayan |
| 17.00 – 17.30 | Coordination | Edy and Team |
|  |  |  |

**Day 3: Thursday, 19 April 2018**

|  |  |  |
| --- | --- | --- |
| **Time** | **Materials** | **Instructor/Coordinator** |
| 08.00 – 12.00 | Briefing for field practice | Edy Purwanto  Nanang Triono  Team |
| 12.00 – 13.00 | Lunch break | Edy and Team |
| 13.00 – 19.00 | Field practice | Team |
| 19.00 – 21.00 | Discussion, Editing, Backup data, inspection by supervisors | Edy Purwanto  Nanang Triono  Team |

**Day 4: Friday, 20 April 2018**

|  |  |  |
| --- | --- | --- |
| **Time** | **Materials** | **Instructor/Coordinator** |
| 08.00 – 09.45 | Resume the Review and coordination | Edy Purwanto  Nanang Triono  Team |
| 09.45 – 10.00 | Break |  |
| 10.00 – 11.30 | Coordination before departing to the field | Team |
| 11.30 – 13.30 | Friday prayer and break |  |
| 12.00 | Check out, closing, departing to Basecamps | Team |
| 13.30 | Closing, departing to Basecamps | Team |
|  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TEAM ORGANIZATION - ENDLINE SURVEY 2018**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Team** | **Position** | **Name** | **Code** | **M/F** | | A | Supervisor | Larasati Ayu Ansuda, S. Pd | A21 | F | | A | Interviewer | Undip Wibowo, S.Pd | A31 | M | | A | Interviewer | Diyan Pratiwi Mustarsyidah, S.P | A32 | F | | A | Interviewer | Laili Nur Na'imatun Nisa', S.Psi | A33 | F | |  |  |  |  |  | | B | Supervisor | Dita Meliani, S.Sos | B21 | F | | B | Interviewer | Trisnoto, S. Si | B31 | M | | B | Interviewer | Purwanti, S.Pd | B32 | F | | B | Interviewer | Narto Solihin, S.Pd | B33 | M | |  |  |  |  |  | | C | Supervisor | Eriska Fitriani, S. Hum | C21 | F | | C | Interviewer | Furqon Tri Mashuri, S.Pd.I | C31 | M | | C | Interviewer | Dina Utaminingsih, A. Md. Keb | C32 | F | | C | Interviewer | Fathoni Nur Cahyono, S.E | C33 | M | |  |  |  |  |  | | D | Supervisor | Tommy Setiawan, S.Sos | D21 | M | | D | Interviewer | Chandrastoro, S.Ikom | D31 | M | | D | Interviewer | Sarwinda, S.E. | D32 | F | | D | Interviewer | Anik Susiyani, S.Kom. I | D33 | F | | | | |
|  |  |  |  |

**LIST OF ENUMERATION AREAS AND SCHEDULE OF THE SURVEY TEAMS – ENDLINE SURVEY OF RETAILERS 2018**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No | Team | EA | City | Sub-district | Village | # Res | Start | End |
| 1 | A | 19 | WEST JAKARTA | KEMBANGAN | SRENGSENG | 52 | 21-Apr | 22-Apr |
| 2 | A | 20 | WEST JAKARTA | KEMBANGAN | KEMBANGAN UTARA | 41 | 22-Apr | 24-Apr |
| 3 | A | 08 | WEST JAKARTA | CENGKARENG | KAPUK | 39 | 24-Apr | 26-Apr |
| 4 | A | 26 | WEST JAKARTA | CENGKARENG | CENGKARENG TIMUR | 54 | 26-Apr | 28-Apr |
| 5 | A | 06 | WEST JAKARTA | CENGKARENG | CENGKARENG BARAT | 43 | 28-Apr | 30-Apr |
| 6 | A | 04 | SOUTH JAKARTA | PESANGGRAHAN | PETUKANGAN UTARA | 34 | 30-Apr | 02-May |
| 7 | A | 24 | SOUTH JAKARTA | KEBAYORAN LAMA | GROGOL SELATAN | 41 | 02-May | 06-May |
|  |  |  |  |  |  |  |  |  |
| 1 | B | 01 | WEST JAKARTA | TAMBORA | KERENDANG/KRENDANG | 31 | 21-Apr | 22-Apr |
| 2 | B | 17 | CENTRAL JAKARTA | MENTENG | PEGANGSAAN | 47 | 22-Apr | 24-Apr |
| 3 | B | 30 | CENTRAL JAKARTA | SENEN | BUNGUR | 27 | 24-Apr | 25-Apr |
| 4 | B | 10 | CENTRAL JAKARTA | SAWAH BESAR | PASAR BARU | 5 | 25-Apr | 26-Apr |
| 5 | B | 05 | CENTRAL JAKARTA | SAWAH BESAR | KARANG ANYAR | 24 | 26-Apr | 26-Apr |
| 6 | B | 22 | CENTRAL JAKARTA | GAMBIR | CIDENG | 24 | 26-Apr | 28-Apr |
| 7 | B | 12 | SOUTH JAKARTA | PANCORAN | CIKOKO | 27 | 28-Apr | 29-Apr |
| 8 | B | 29 | SOUTH JAKARTA | SETIA BUDI | MENTENG ATAS | 43 | 29-Apr | 01-May |
| 9 | B | 28 | EAST JAKARTA | MATRAMAN | PAL MERIAM/PAL MERIEM | 53 | 01-May | 06-May |
|  |  |  |  |  |  |  |  |  |
| 1 | C | 25 | SOUTH JAKARTA | JAGAKARSA | SRENGSENG SAWAH | 59 | 21-Apr | 23-Apr |
| 2 | C | 03 | SOUTH JAKARTA | JAGAKARSA | CIGANJUR | 33 | 23-Apr | 24-Apr |
| 3 | C | 16 | SOUTH JAKARTA | JAGAKARSA | LENTENG AGUNG | 69 | 24-Apr | 27-Apr |
| 4 | C | 15 | SOUTH JAKARTA | JAGAKARSA | TANJUNG BARAT | 49 | 27-Apr | 29-Apr |
| 5 | C | 09 | SOUTH JAKARTA | PASAR MINGGU | PASAR MINGGU | 34 | 29-Apr | 01-May |
| 6 | C | 27 | SOUTH JAKARTA | PESANGGRAHAN | BINTARO | 41 | 01-May | 03-May |
| 7 | C | 14 | EAST JAKARTA | DUREN SAWIT | MALAKA SARI | 25 | 03-May | 06-May |
|  |  |  |  |  |  |  |  |  |
| 1 | D | 18 | EAST JAKARTA | PASAR REBO | PEKAYON | 37 | 21-Apr | 22-Apr |
| 2 | D | 11 | EAST JAKARTA | CIRACAS | KELAPA DUA WETAN | 42 | 22-Apr | 24-Apr |
| 3 | D | 07 | EAST JAKARTA | CIRACAS | SUSUKAN | 42 | 24-Apr | 25-Apr |
| 4 | D | 21 | EAST JAKARTA | CIPAYUNG | BAMBU APUS | 43 | 25-Apr | 28-Apr |
| 5 | D | 23 | EAST JAKARTA | CIPAYUNG | LUBANG BUAYA | 46 | 28-Apr | 29-Apr |
| 6 | D | 02 | EAST JAKARTA | DUREN SAWIT | PONDOK KOPI | 37 | 29-Apr | 01-May |
| 7 | D | 13 | EAST JAKARTA | CAKUNG | CAKUNG TIMUR | 44 | 01-May | 06-May |
|  |  |  |  |  | Total | 1186 |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **RESULTS OF THE ENDLINE SURVEY 2018** | | | | | | | | | |  |  | |  | |  | |  |
|  |  |  |  |  |  |  |  |  |  | | |  | |  | |  |
| EA | Finished | Partly finished | Not finished | Closed | Refused | Total | Finished ( % ) | Partly finished ( % ) | Not finished ( % ) | | | Closed ( % ) | | Refused ( % ) | | Total |
| 01 | 30 | 0 | 0 | 1 | 0 | 31 | 96.77 | 0.00 | 0.00 | | | 3.23 | | 0.00 | | 100 |
| 02 | 31 | 0 | 0 | 5 | 1 | 37 | 83.78 | 0.00 | 0.00 | | | 13.51 | | 2.70 | | 100 |
| 03 | 24 | 0 | 1 | 4 | 4 | 33 | 72.73 | 0.00 | 3.03 | | | 12.12 | | 12.12 | | 100 |
| 04 | 26 | 1 | 2 | 3 | 1 | 33 | 78.79 | 3.03 | 6.06 | | | 9.09 | | 3.03 | | 100 |
| 05 | 22 | 0 | 0 | 1 | 1 | 24 | 91.67 | 0.00 | 0.00 | | | 4.17 | | 4.17 | | 100 |
| 06 | 34 | 0 | 0 | 3 | 6 | 43 | 79.07 | 0.00 | 0.00 | | | 6.98 | | 13.95 | | 100 |
| 07 | 40 | 0 | 0 | 1 | 1 | 42 | 95.24 | 0.00 | 0.00 | | | 2.38 | | 2.38 | | 100 |
| 08 | 35 | 0 | 1 | 2 | 1 | 39 | 89.74 | 0.00 | 2.56 | | | 5.13 | | 2.56 | | 100 |
| 09 | 29 | 0 | 0 | 3 | 2 | 34 | 85.29 | 0.00 | 0.00 | | | 8.82 | | 5.88 | | 100 |
| 10 | 5 | 0 | 0 | 0 | 0 | 5 | 100 | 0.00 | 0.00 | | | 0.00 | | 0.00 | | 100 |
| 11 | 40 | 0 | 0 | 2 | 0 | 42 | 95.24 | 0.00 | 0.00 | | | 4.76 | | 0.00 | | 100 |
| 12 | 19 | 0 | 2 | 4 | 2 | 27 | 70.37 | 0.00 | 7.41 | | | 14.81 | | 7.41 | | 100 |
| 13 | 40 | 0 | 0 | 3 | 1 | 44 | 90.91 | 0.00 | 0.00 | | | 6.82 | | 2.27 | | 100 |
| 14 | 22 | 0 | 0 | 2 | 1 | 25 | 88 | 0.00 | 0.00 | | | 8.00 | | 4.00 | | 100 |
| 15 | 41 | 0 | 2 | 6 | 0 | 49 | 83.67 | 0.00 | 4.08 | | | 12.24 | | 0.00 | | 100 |
| 16 | 58 | 0 | 2 | 7 | 2 | 69 | 84.06 | 0.00 | 2.90 | | | 10.14 | | 2.90 | | 100 |
| 17 | 47 | 0 | 0 | 0 | 0 | 47 | 100 | 0.00 | 0.00 | | | 0.00 | | 0.00 | | 100 |
| 18 | 35 | 0 | 0 | 0 | 2 | 37 | 94.59 | 0.00 | 0.00 | | | 0.00 | | 5.41 | | 100 |
| 19 | 42 | 0 | 0 | 7 | 3 | 52 | 80.77 | 0.00 | 0.00 | | | 13.46 | | 5.77 | | 100 |
| 20 | 38 | 0 | 0 | 1 | 2 | 41 | 92.68 | 0.00 | 0.00 | | | 2.44 | | 4.88 | | 100 |
| 21 | 38 | 0 | 0 | 4 | 1 | 43 | 88.37 | 0.00 | 0.00 | | | 9.30 | | 2.33 | | 100 |
| 22 | 23 | 0 | 0 | 1 | 0 | 24 | 95.83 | 0.00 | 0.00 | | | 4.17 | | 0.00 | | 100 |
| 23 | 39 | 0 | 0 | 2 | 5 | 46 | 84.78 | 0.00 | 0.00 | | | 4.35 | | 10.87 | | 100 |
| 24 | 33 | 0 | 0 | 7 | 1 | 41 | 80.49 | 0.00 | 0.00 | | | 17.07 | | 2.44 | | 100 |
| 25 | 52 | 0 | 0 | 4 | 3 | 59 | 88.14 | 0.00 | 0.00 | | | 6.78 | | 5.08 | | 100 |
| 26 | 39 | 0 | 1 | 5 | 9 | 54 | 72.22 | 0.00 | 1.85 | | | 9.26 | | 16.67 | | 100 |
| 27 | 39 | 0 | 0 | 2 | 0 | 41 | 95.12 | 0.00 | 0.00 | | | 4.88 | | 0.00 | | 100 |
| 28 | 47 | 0 | 0 | 4 | 2 | 53 | 88.68 | 0.00 | 0.00 | | | 7.55 | | 3.77 | | 100 |
| 29 | 38 | 0 | 0 | 2 | 4 | 44 | 86.36 | 0.00 | 0.00 | | | 4.55 | | 9.09 | | 100 |
| 30 | 23 | 0 | 0 | 2 | 2 | 27 | 85.19 | 0.00 | 0.00 | | | 7.41 | | 7.41 | | 100 |
| Total | 1,029 | 1 | 11 | 88 | 57 | 1,186 | 86.76 | 0.08 | 0.93 | | | 7.42 | | 4.81 | | 100 |