response respondent view or live video joy. Reactions that occur in the brain wave activity that shows a very noticeable in the middle part of the brain that are on alpha waves. Alpha wave refers to activities related to rest and quiet. Thus, the wave of emotions those are very happy in the alpha wave which involves the flow of energy and creativity and fresh feel.

F. The Findings and Analysis of The Emotional Surprised

The results and analysis of emotional shock waves showed the occurrence of many events or reactions in the brain. Almost every type of wave shows the reactions. The most obvious answer can be seen is in the delta and theta waves. The various frequencies in the range of Delta are accompanied by emission from (human growth hormone), which is useful in healing. While theta shows frequency associated with stress or high stress. Due to the many reactions that occur in delta and theta waves on this emotion.
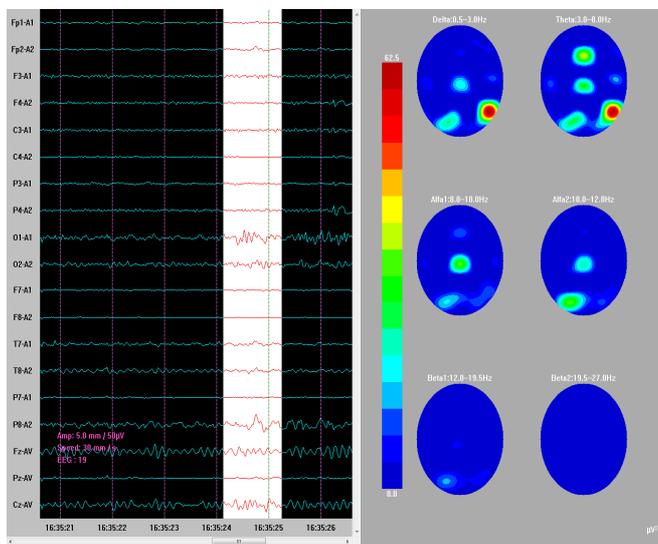

Fig. 13 Wave of emotions surprised

IV. CONCLUSIONS

The results of this study can be used by hospitals and police departments to detect the emotions of patients and offenders. Ease of interpreting the information during interrogation allows certain parties who can reveal human emotions.

The detailed of information about the basic human emotions was discussed at the beginning of the study. Correlation properties for EEG pattern for all the emotions that exist can be distinguished on the basis of previous studies. The emotional face can be identified using video sequences for expression. Data can be related to the relationship between the data with others. Identification of emotions can be linked to the findings of the previous objectives. Thus, data can contribute to a doctor at the hospital and the police department of this study.

Based on the findings obtained through a process carried out revealed that facial reaction alone cannot describe or reveal the real emotional person. But with this brain wave analysis, we will be able to know the true emotions of a respondent, although it is trying to hide.

The results for all processes in the method of research have been done. Using the data obtained, the expected results and the final results can contribute to developing a software package to identify human emotion through (facial expression for the human-machine interface).

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