Title: Applying Vision Transformers and handle imbalanced NIR data

1. Introduction
2. Related Works
   1. Applying ML for NIR data approach
   2. Applying DL for NIR data approach
   3. Imbalanced Data in general computer vision problem
      * Deep learning models are sensitive with imbalanced data -> lower performance
      * Accuracy metric is not fair when evaluate model with imbalanced data
      * …
3. Methodology
   1. Vision Transformers
      * Revision of Vanila Transformers
      * Vision Transformers Architecture
      * …
   2. Imbalanced Data
      * Focal Loss
      * Generative Method
      * …
4. Experimental Result
   1. Dataset (description)
   2. Data preprocessing (preprocessing pipeline)
   3. Experimental result
      * Implementation detail
        1. Hardware
        2. Framework & environment
        3. Training strategy
      * Metrics & Evaluation
        1. Metrics: precision, recall, f1 score, auc roc
        2. Evaluation
   4. Discussion
5. Demonstration (source code)
6. Conclusion