별첨 3. Biweekly 보고서

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| **Biweekly Research Progress Report**   |  |  |  | | --- | --- | --- | | **Name** | **:** | Lee ChanKeun | | **Advisor** | **:** | Young-Keun Kim (signature) | | **Period** | **:** | Week 6~7 | | **WBS** | **:** | SWIR Camera contents Proposal | | **Research Results in This Biweek**  **Calculation of 1450nm wavelength band reflectance by plastic**  **스크린샷, 블랙, 흑백, 화이트이(가) 표시된 사진  자동 생성된 설명흑백, 투명 소재, 병, 실내이(가) 표시된 사진  자동 생성된 설명흑백, 벽, 직사각형, 블랙이(가) 표시된 사진  자동 생성된 설명흑백, 벽, 직사각형, 스크린샷이(가) 표시된 사진  자동 생성된 설명**   * PVC, PET, PC, AC   **Found HSI Dataset(PCB object detection dataset)** | | | | **Research Items in Next Biweek**   * Use Lens diffuser to collect more regulated data * Determine HSI Dataset, opening .hdr files | | | | **Issues and Overall Progress**  **Conclusion Based on Interim Research Results**   * Successfully set up the SWIR camera environment and achieved basic image acquisition.   **Progress Analysis for WBS**   * Overall progress: **33% complete** * Remaining tasks include experiment and software issue.   **Countermeasures for Potential Delays**   * We are struggling because the HSI dataset is hard to modify   **Advisor Meeting Outcomes**   * Advisor suggested comparing different spectral bands for improved defect detection. * Referencing and retrieving more datasets are recommended. | | | |